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ORDER NO. CRT 1238

MULTI-CD CONTROL FM/MW/LW TUNER DECK AMPLIFIER

KEH-N7001B X1B MULTI-CD CONTROL FM/MW/LW TUNER DECK

KEX-M801 X1B

Note:

• This service manual is designed to be used together with Model KEH-M7000B/EW. KEH-M5000B/EW and KEX-M800/EW.

Modle	Service Manual	Order No.
KEH-M7001B/X1B	KEH-M7000B/EW	CRT1235
KEH-M5001B/X1B	KEH-M5000B/EW	CRT1236
KEX-M801/X1B	KEX-M800/EW	CRT1234

- Refer to it for finding parts numbers and adjustment, etc. which are not shown in this manual.
- X1B model and EW model use the same schematic circuit diagram and connection diagram. Refer to EW model.

KEH-M7001B

PACKING METHOD

• Parts List (Page 49)

			KEH-M7000B/EW	KEH-M7001B/X1B
Mark	No.	Description	Part No.	Part No.
	1	Carton	CHG1596	CHG1619
	4-1	Owner's Manual	CRD1290	CRD1299
		Owner's Manual	CRD1291	- Deleted
	4-4	Card		
	5	Styrofoam(R)	CHP1217	CHP1227
	6	Cover	CEG-114	CEG-173
	7	Styrofoam(L)	CHP1216	CHP1226
	8-2	Fastener	CNM1716	CNM1841
		(Rough Surface)		
	8-3	Fastener (Soft Surface)	CNM1717	CNM1842
	9	Accessory Assy	CEA1448	CEA1456

Accessory Assy (CEA1456)

Mark No.	Description	Part No.	Mark No.		Description		Part No.
1	$Screw(\times 1)$	CBA-102		4	Strap(×1)		CNC-975
2	$Screw(\times 1)$	CBA1002		5	Bush $(\times 1)$		CNV1009
3	$Cord(\times 1)$	CDE1289		6	Nut $(\times 2)$,	NF50FMC

CHASSIS EXPLODED VIEW

• Parts List (Page 37)

			KEH-M7000B/EW	KEH-M7001B/X1B
Mark	No.	Description	Part No.	Part No.
•	6 13	Mechanism Control Unit	CWM1968	CWM2025
•	14	FM/AM Tuner Unit	CWE 1146	CWE1164
•	2 0 2 2	Insulator Display Unit	CWS 1145	CWS1146
·	3 4 6 1 6 9	Insulator Grille Assy Heat Sink	CXA2937	CXA3060
•	105 112	Insulator Tuner Amp Unit	CWM1843	CWM1846
•	118 121 123	Handle Assy Box Screw	CXA2944 CNB1273 CBA1073	CXA3105 CNB1271 CBA1097

Note:

- Although X1B and EW models carry different Part No. for No. 6 Mechanism Control Unit, the unit itself is identical.
- Although X1B and EW models carry different Part No. for No. 14 FM/AM Tuner Unit, the unit itself is identical.
- Although X1B and EW models carry different Part No. for No. 118 Handle Assy, the assy itself is identical.
- Since X1B and EW models use different Insulator (No. 34), Part No. for No. 22 Display Unit is different from each other.

KEH-M5001B

PACKING METHOD

• Parts List (Page 59)

		***	KEH-M5000B/EW	KEH-M5001B/X1B
Mark	No.	Description	Part No.	Part No.
	1	Carton	CHG1599	CHG1620
	4-1	Owner's Manual	CRD1290	CRD1299
		Owner's Manual	CRD1291	- Deleted
	4-4	Card		
	5	Styrofoam (R)	CHP1217	CHP1227
	6	Cover	CEG-114	CEG-173
	7	Styrofoam(L)	CHP1216	CHP1226
	9	Accessory Assy	CEA1448	CEA1456

Accessory Assy (CEA 1456)

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	1	Screw(× 1)	CBA-102		4	$Strap(\times 1)$	CNC-975
	2	Screw(× 1)	CBA1002		5	Bush $(\times 1)$	CNV1009
	3	$Cord(\times 1)$	CDE1289		6	Nut $(\times 2)$	NF 50 FMC

KEH-M5001B

CHASSIS EXPLODED VIEW

• Parts List (Page 47)

			KEH-M5000B/EW	KEH-M5001B/X1B
Mark	No.	Description	Part No.	Part No.
•	6	Mechanism Control Unit	CWM1967	CWM2026
	13	Insulator		
•	14	FM/AM Tuner Unit	CWE1146	CWE1164
	20	Insulator		
\odot	2 2	Display Unit	CWS1145	CWS1146
	3 4	Insulator		
	61	Grille Assy	CXA2940	CXA3062
	6 9	Heat Sink		7.0.102
	105	Insulator		
•	112	Tuner Amp Unit	CWM1847	CWM1850
•	118	Handle Assy	CXA2944	CXA3105
•	121	Box	CNB1273	CNB1271
	123	Screw	CBA1073	CBA1097

Note:

- Although X1B and EW models carry different Part No. for No. 6 Mechanism Control Unit, the unit itself is identical.
- Although X1B and EW models carry different Part No. for No. 14 FM/AM Tuner Unit, the unit itself is identical.
- Although X1B and EW models carry different Part No. for No. 118 Handle Assy, the assy itself is identical.
- Since X1B and EW models use different Insulator (No. 34), Part No. for No. 22 Display Unit is different from each other.

KEX-M801

CHASSIS EXPLODED VIEW

• Parts List (Page 65)

			KEX-M800/EW	KEX-M801/X1B
Mark	No.	Description	Part No.	Part No.
•	4	Audio Tuner Unit	CWM1881	CWM1883
•	35	Mechanism Control Unit	CWM1968	CWM2025
	40	Insulator		
•	42	FM/AM Tuner Unit	CWE1146	CWE 1164
	6 6	Holder Assy		
	68	Grille Assy		

Note:

- Although X1B and EW models carry different Part No. for No. 35 Mechanism Control Unit, the unit itself is identical.
- Although X1B and EW models carry different Part No. for No. 42 FM/AM Tuner Unit, the unit itself is identical.

HOLDER ASSY AND GRILLE ASSY EXPLODED VIEW

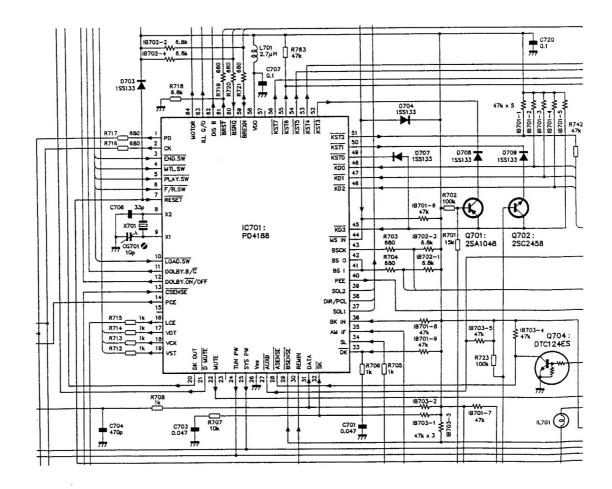
• Parts List (Page 62)

			KEX-M800/EW	KEX-M801/X1B
Mark	No.	Description	Part No.	Part No.
•	5 17 31	Display Unit LCD Grille Unit	CWS1138 CAW1042 CXA2834	CWS1139 CAW1057 CXA2835

SCHEMATIC CIRCUIT DIAGRAM

The schematic circuit diagram for KEX-M801/X1B is the same as the KEX-M800/EW except for following point:

• D707 has been added to the KEX-M800/EW(Mother P.C. Board)



ELECTRICAL PARTS LIST

• Parts List (Page 72)

Audio Tuner Unit

		KEX-M800/EW	KEX-M801/X1B
Mark	Circuit Symbol and No.	Part No.	Part No.
*	D707		1SS133 Added

Display Unit

		KEX-M800/EW	KEX-M801/X1B
Mark	Circuit Symbol and No.	Part No.	Part No.
	LCD	CAW1042	CAW1057

PACKING METHOD

• Parts List (Page 78)

			KEX-M800/EW	KEX-M801/X1B
Mark	No.	Description	Part No.	Part No.
	1	Carton	CHG1594	CHG1626
	4-2	Fastener (Rough Surface)	CNM1716	CNM1841
	4-3	Fastener (Soft Surface)	CNM1717	CNM1842
	5-1	Owner's Manual	CRD1286	CRD1304
		Owner's Manual	CRD1287	- Deleted
	5-2	Caution Card		
1	5-4	Card		
	6	Styrofoam (R)	CHP1212	CHP1232
	7	Cover	CEG1043	CEG-173
	8	Styrofoam(L)	CHP1211	CHP1231
	9	Accessory Assy	CEA1426	CEA1457

Accessory Assy (CEA1457)

Mark	No.	Description	Part No.	Mark No.	Description	Part No.
	1	Screw(×1)	CBA-102	6	Handle (\times 2)	CNC1631
	2	$Screw(\times 1)$	CBA1002	7	$Strap(\times 1)$	CNC2840
	3	$Screw(\times 2)$	CBA1116	8	Bush $(\times 1)$	CNV1009
	4	Spring (\times 2)	CBH-865	9	Cap (× 2)	CNV2156
	5	Cord (× 1)	CDE1289	10	Nut $(\times 2)$	NF50FMC





KEH-M800/EW



MULTI-CD CONTROL FM/MW/LW (FM/AM) TUNER DECK

SPECIFICATIONS

General Power source
Grounding system
Weight
Tone controls (bass)
(middle)
(treble)
Loudness contour
(volume: -30
Output impedance
KEX-M800SDK/WG, KEX-M800/EW
Max, current consumption
Dimensions (chassis)
(front face)
Maximum output level
WEN PRODOUED NEX WESOUTH
KEX-M800/ES, KEX-M800/UC Dimensions (chassis)
Dimensions (chassis) $(76(W) \times 30(H) \times 135(U))$ [7(W) × 2(H) × 6-1/8(D)
(nose)
$[6-3/4(W) \times 1-3/4(H) \times 3/8(D)]$
Preout output level
Tape player Tape
Tape speed
Fast forward/rewind time
Wow & flutter
Frequency response
Stereo separation
Signal-to-noise ratio
Dolby B NR IN: 67 dB (IHF-A netwo
Dulby B INT IN. 07 GB (IFF-A Hetwo

Frequency range (REX-IVI800SDR/VVG, REX-IVI8000/EVV)87.5—108 IVII 12
Frequency range (KEX-M800/ES, UC) 87.9-107.9 MHz (200 kHz)
(KEX-M800/ES)
Usable sensitivity
50 dB quieting sensitivity 16 dBf (1.7 μ V/75 Ω , mono)
Signal-to-noise ratio
Distortion
Frequency response
Stereo separation
KEX-M800/UC
Selectivity
Three-signal intermodulation (desire signal level)

MW (AW)-Tuner Frequency range (KEX-M800/ES, UC) $\dots \dots 530-1{,}710~\text{kHz}$ (10 kHz)50 dB (±10 kHz) Selectivity 50 dB (±9 kHz)

LW-Tuner (KEX-M800SDK/WG, KEX-M800/EW) . 153-281 kHz 30 μV (30 dB) (S/N; 20 dB) Usable sensitivity Selectivity

Specifications and the design are subject to possible modification without notice due to improvements.

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Dolby NR OUT: 61 dB (IHF-A network)

Noise Reduction System manufactured under license from Dolby Laboratories Licensing Corporation.

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan PIONEER ELECTRONICS SERVICE INC. P.O. Box 1760, Long Beach, California 90801 U.S.A. PIONEER ELECTRONICS OF CANADA, INC. 505 Cochrane Drive, Markham, Ontario L3R 8E3 Canada
PIONEER ELECTRONIC [EUROPE] N.V. Keetberglaan 1, 2740 Beveren, Belgium
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia TEL: [03] 580-9911

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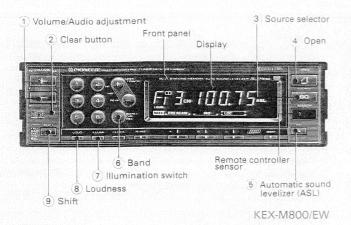


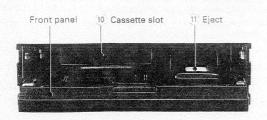
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1. ADJUSTING VOLUME AND TONE





Using the Clear Button

Once all wiring is complete, press button ② with a thin, pointed object. Though not a normal occurrence, the microprocessor which controls the operation of this unit can be affected by electrostatic noise. This generally is indicated by such symptoms as no power being supplied when you switch the unit on, failure of buttons and controls, or an abnormal display. Should this happen, press button ② with a thin, pointed object to reset the microprocessor. Note that doing so also resets all audio controls, so you will have to make any desired settings again. This operation deletes all memory contents, such as frequencies stored in the preset memory, so you will have to make any desired settings again.

Switching Power On

Tune

Press button ③ to switch the tuner power on. Press button ③ again to switch the power off.

Tape

Press button 4 to open the front panel, and load a cassette in through cassette slot 0. The cassette will play. To eject the cassette, press button 4 to open the front panel and press button 1.

Note

- None of the operation buttons except button (1) work while the front panel is open. Use the control buttons after shutting the front panel.
- During operation, the power to this unit is turned off if the engine is started or if the ignition is turned off then to ACC or ON again while the front panel is open. In this case, close the front panel to resume operation.

Source Selector

When a cassette is loaded and button $\ 3$ is pressed, the source shifts in the order tape \to tuner \to power off. If this unit is combined with a multi-play CD player sold separately such as CDX-M70, or if a CD player is connected to the auxiliary input (AUX), the source shifts in the order multi-play CD player \to tape \to tuner \to AUX (CD player).

- If a CD player is connected to the auxiliary input (AUX), the power to this unit will not switch off, even if button ③ is pressed, when the CD player is operating. To switch the power off, stop the CD player.
- When the source is switched to AUX (CD player), the display indicates CD.



Adjusting Audio

Press button ① to adjust the volume. Each press of button ⑨ changes the display and the function of button ① as follows:

Volume → Fader → Bass → Middle → Treble → Balance



Adjusting Volume

Pressing the (+) side of button ① increases the volume, while the (-) side decreases it.

VOL. 15

Adjusting the Fader

This function controls the balance between the front and rear speakers of a 4-speaker system. Pressing the (+) side of button ① shifts the balance to the front speakers, while the (-) side shifts it to the rear speakers.

For 2-speaker systems, set FAD. 0.

FAD. O

Adjusting Bass

Pressing the (+) side of button ① increases bass, while the (-) side decreases bass.

BR5. 0

Adjusting Middle

Pressing the (+) side of button ① increases middle, while the (-) side decreases middle.

M ID. 0

Adjusting Treble

Pressing the (+) side of button ① increases treble, while the (-) side decreases treble.

TRE. 0

Adjusting Balance

Pressing the (+) side of button ① shifts the balance to the left speaker, while the (-) side shifts it to the right speaker.

BAL. O

 When you're adjusting fader, bass, middle, treble, or balance settings, the indicator will stop at the center setting. About 5 seconds after adjustment has been made, the display returns to its previous state.

ASL (Automatic Sound Levelizer)

Press button (§) to operate ASL (automatic sound levelizer). ASL monitors the noise inside the vehicle, which changes according to the driving speed and the road conditions, and automatically increases the volume when the noise increases. (ASL is shown on the display.)

- At high volume, ASL automatically reduces the selected intensity if it will make the volume too loud.
- If ASL operates and the volume becomes too high, the sound may be distorted. In this case, reduce the volume.

ASL Intensity Selection

ASL has three different intensity modes (increases in volume according to noise). The greatest increase is obtained with ASL-H, followed by ASL-M, then ASL-L.

 Hold down button (§) for at least 2 seconds. The current ASL mode will be shown on the display for about 5 seconds.



2. While the display indicates an ASL mode, press either the (+) or (-) side of button ① to change the ASL mode.

 About 5 seconds after the ASL mode has been changed, the display returns to the previous indication.

Using Source Level Adjuster

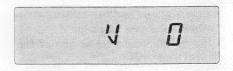
You may wish to adjust volume when you have changed the source to radio, tape, or CD or when you have changed the radio band from FM to MW/LW. You can do so on the basis of the volume of FM as follows:

 Use the button 3 to change the source. (In case of radio, change the band to MW/LW.)

2. Hold down the button

for about 2 seconds, and the display will show you the volume of the source.

The source is a second of the source is a second of the source.



3. To increase the volume, press the (+) side of the button ①, and to decrease press the (-) side. You can adjust the volume within a span of V -4 and V 4. The display automatically returns to the previous showing when five seconds have elapsed after the adjustment.

No adjustment can be made when an FM station is tuned in.

Using the Loudness Function

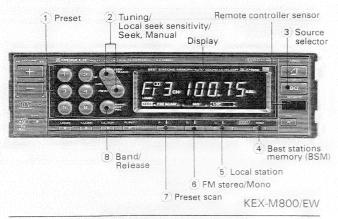
Press button (a) and the LOUD indicator will appear on the display. This "loudness" function enhances both the high and low ranges of sound to give even more power to output even at low volumes.

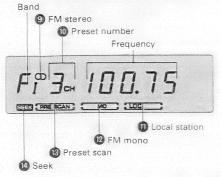
Switching Illumination Colour

Press button ① to switch illumination colour between green and amber. Pressing clear button ② causes the illumination to be turned amber.



2. USING THE TUNER





1 Press button 3 to switch the tuner power on.

2 Press button ® to select a band.

 $F_I \rightarrow F_I \rightarrow F_{II} \rightarrow M/L$ FM1) (FM2) (FM3) (MW/LW)

Use button 2 to switch between MW (531–1,602 kHz) and LW (153–281 kHz)

3 Use seek tuning to tune in a frequency.

Confirm that the SEEK indicator is shown on the display (if not, press the (+) and (-) sides of button 2 at the same time).

Press the (+) side of button ② to automatically tune in the next higher receivable frequency, and the (-) side for a lower frequency.

4 Adjust volume and tone (see page 2)

5 Assign the tuned frequency to one of the buttons in bank 1 (preset memory).

Press and hold down one of the buttons in bank ① for at least two seconds. The frequency is assigned to the selected button when the preset number ② stops flashing on the display. Up to 18 FM stations (6 each for FM1, FM2 and FM3) and six MW/LW stations can be assigned to the preset memory buttons in bank ①.

6 Once a frequency is assigned to a button in bank ①, you just need to press that button to tune it in.

This also causes the number of the button pressed to appear at position on the display.

Preset Scan Tuning

This function lets you automatically monitor the stations assigned to the preset buttons.

1. Press button ⑦. (Bar ® appears.) Preset number ® flashes and each station in the memory for button ① is sequentially called for 8 seconds

2. When you hear a station that you like, press button ⑦ again to cancel preset scan tuning and remain at that station.

BSM (Best Stations Memory)

This function automatically locates stronger stations and automatically assigns their frequencies to the buttons in bank $\widehat{\ \ }$, from strongest to weakest. It comes in handy when trying to find local stations while driving.

1. Press button (8) and select a band.

 Hold down button (4). After about two seconds, a "beep" will sound to signal that the BSM search has started. At this time, BSM will flash on the display.



3. The frequency display will return once BSM search is complete, and frequencies are assigned to buttons 1 through 6 in bank ①.

 At the end of the BSM search, the displayed frequency is that assigned to button ① of bank ①.

 If there are fewer than six strong stations in the area, some of the buttons in bank ① will not be assigned frequencies, so they will retain any frequencies assigned to them previously.

 BSM search may take as long as 30 seconds in areas where there are few strong stations.

You can cancel BSM search by pressing button 8.

Manual Tuning

Use manual tuning when stations are too weak to be picked up by seek tuning.

1. Press both (+) and (-) sides of button ② at the same time to clear SEEK .

2. Each press of the (+) side of button ② increases the frequency in 50 kHz steps in the FM band, 9 kHz in the MW band and 1 kHz in the LW band. Pressing the (-) side of button ② decreases the frequency. Holding down either side of button ② changes the frequency at high speed.

Switching between FM Stereo and Mono

Generally, it is best to allow the ARC (Automatic Reception Control) function to automatically set the optimum listening conditions. When there is a large amount of noise, you can press button (a) for clearer, mono reception (bar (a) appears).

Adjusting Seek Sensitivity

The seek tuning function of this tuner lets you select between a local setting for reception of strong stations only, and a DX (distant) setting for reception of weaker stations. The local setting also has four seek tuning sensitivity levels for FM and two levels for MW/LW to match local conditions.

Changing the Local Seek Sensitivity

1. Use button (8) to select a band.

Hold down the button s for more than two seconds, and the display will show you the current local seek sensitivity for about five seconds.



(Example: LOC-2)



3. While the local seek sensitivity remains on the display, press the (+) side of button 2 to increase the sensitivity level, and the (-) side to decrease the level as shown below.

: LOC-1=LOC-2=LOC-3=LOC-4

MW/LW : LOC-1 = LOC-2

The LOC-4 setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations.

The display of local seek sensitivity returns to the frequency when about five seconds have elapsed after the change of sensitivity.

Switching between Local and DX

Press button (§) to switch between Local and DX (distant) seek tun-

When bar is shown on the display, seek tuning is performed with the local seek sensitivity. Otherwise, seek tuning is performed with the DX seek sensitivity.

Note on LW Band Seek Tuning

The following shows changes in LW BAND broadcast frequency steps enacted by WARC/1979. The underlined italic figures indicate changes.

A. Up to January 1986

155-164-173-182-191-200-209-218-227-236-245-254-263-272-281

B. From February 1986

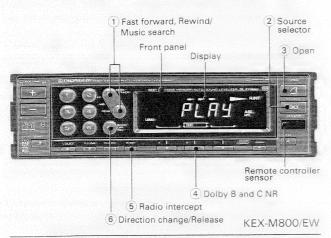
153-162-171-180-189-200-209-218-227-236-245-254-263-272-281 C. From February 1988

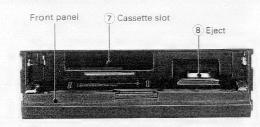
153-162-171-180-189-198-207-216-225-234-245-254-263-272-281

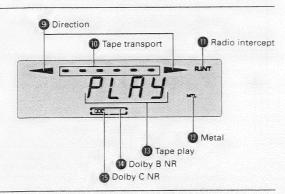
D. From February 1990

153-162-171-180-189-198-207-216-225-234-243-252-261-270-279 The LW band seek operations of this unit are performed in 9 kHz steps starting from 153 kHz. In the case of C, the first ten frequencies are identical to each station being broadcast, while the remaining five are shifted (2 kHz each). Consequently, manual tuning (in 1 kHz steps) and seek tuning should be used together to tune in the desired LW broadcast. It is also suggested that your favorite LW stations will be memorized for instant recall.

3. USING THE TAPE DECK







1 Press button 3 to open the front panel.

2 Load a cassette in through the cassette slot 7. The cassette will play.

Tape play 13, tape transport 10, and direction 19 appear.

3 Close the front panel and adjust volume and tone (see page 2).

4 To stop play halfway, press button 2 to switch the function off.

To restart play, press button ② some times until PLAY @ appears on the display. The tape begins playing at the position where it stopped

5 To eject the cassette, press button 3 to open the front panel and press button 8.

- The power is not switched on even if a cassette is loaded in through cassette slot ⑦, if the engine is started or if the ignition is turned off then to ACC or ON again while the front panel is open. In this case, close the front panel to switch the power on and start play.
- Power is automatically turned off when the cassette tape has not been set within a few seconds. When this happens, remove the tape by pressing the button (8) because of a possible trouble with the tape.
- A loose or warped label on a cassette tape may interfere with the eject mechanism of the unit or cause the cassette to become jammed in the unit. Avoid using such tapes or remove such labels from the cassette before attempting use.

Changing Program

Press the button 6 to change the side of tape from A to B or vice versa.

Using Fast Forward and Rewind

1. To fast-forward tape, press the (+) side of the button (1).



To rewind tape, press the (-) side.



2. To release the fast forward or rewind function, press the button 6

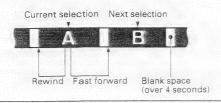


Using Radio Intercept

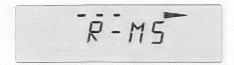
Use radio intercept to hear radio while fast forward or rewinding.

- 1. Press the button (5) (R.INT (11) appears) before fast forward or rewinding, and you will hear radio.
- 2. To release the radio intercept function, press the button §
- The radio intercept does not function when the music search is in operation.

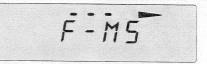
Using Music Search



1. To repeat the current selection (A), press the (-) side of the button 1 two consecutive times.



To hear the following piece of music (B) rather than continue the current selection, press the (+) side of the button (1) two consecutive times. Pressing the button 1 three consecutive times makes the normal sequence of playing resume.



2. To release the music search function, press the button ⑥.

The following errors will cause the music search function to operate

- improperly, even though the unit is not malfunctioning. • Unrecorded blank portion between selections is less than 4 seconds \rightarrow the blank portion cannot be detected by the unit.
- Pauses in recorded conversations are longer than 4 seconds \rightarrow the unit reads these as blanks between selections.
- Portions are recorded at very low volume for more than 4 seconds -> the unit reads these as blanks between selections.

Dolby B and C NR

Press button 4 to listen to a cassette recorded using the Dolby NR system. Each press of button 4 shifts the Dolby NR mode as fol-

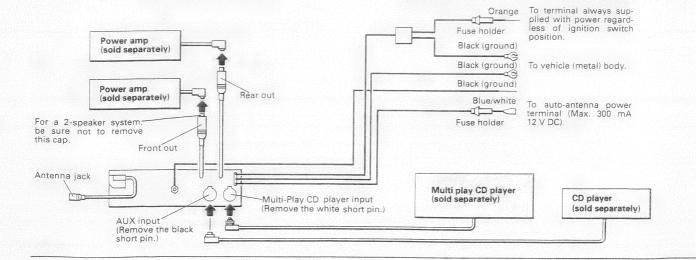
Dolby B NR (Bar \blacksquare appears) \rightarrow Dolby C NR (C \blacksquare appears) \rightarrow Dolby NR off.

Auto Tape Selector

When a cassette tape is inserted, the automatic tape selector determines the tape type, and switches between 70 µs and 120 µs equalization. When it is a metal or chrome tape, MTL @ comes on. When it is a normal tape, nothing comes on.

4. CONNECTING THE UNITS

- Before making final connections, make temporary connections then operate the unit to check for any connecting cord problems.
- Refer to the owner's manual for details on connecting the various cords of the power amp and other units then make connections correctly.
- Be sure to connect the memory power supply lead (orange) to a terminal that is always supplied with power regardless of the vehicle's ignition switch position. If this connection is made incorrectly or is forgotten, the unit will not work at all.
- · Don't pass that orange lead through a hole into the engine compartment to connect to the battery. This will damage the lead insulation and cause a very dangerous short.
- When the multi-play CD player input or the AUX input is not in use, leave the short pin on it.
- For 2-speaker systems, wire the rear output cord to the main amp





5. DISASSEMBLY

• Removing the Case

- 1. Insert and turn a flat screwdriver to remove the case.
- 2. Raise the case to remove.

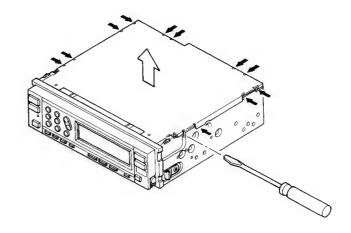


Fig. 1

• Removing the Cassette Mechanism Assy

- 1. Remove the four screws.
- 2. Disconnect the mechanism control unit connector.
- 3. Remove the cassette mechanism assy.

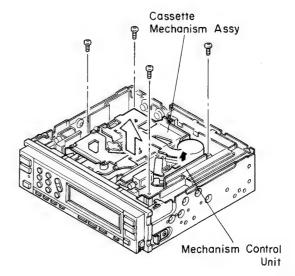


Fig. 2

• Removing the Grille Assy

1. Press the solenoid lever in the direction of the arrow to open the grille assy. (Fig. 3)

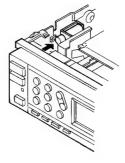


Fig. 3

EX-M800

2. While holding down the lock button, pull the grille assy toward you. (Fig. 4)

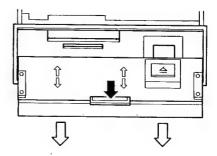


Fig. 4

• Removing the Holder Assy

- 1. Remove the two screws. (Fig. 5)
- 2. Disconnect the four connectors. (Fig. 6)
- 3. Press the tabs at three locations indicated by arrows, and then pull out the holder assy. (Fig. 6)

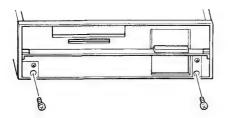


Fig. 5

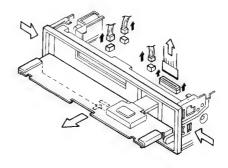


Fig. 6

• Removing the Display Unit

- 1. Remove the three screws, and then remove the cover unit.
- 2. Remove the three screws, and then remove the display unit.

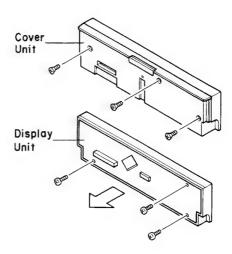


Fig. 7



• Removing the Audio Tuner Unit

- 1. Remove the three screws A, and then remove the holder.
- 2. Remove the two screws B.
- 3. Unbend the tab indicated by arrow until straight.
- 4. Raise up on audio tuner unit to remove it from chassis unit.

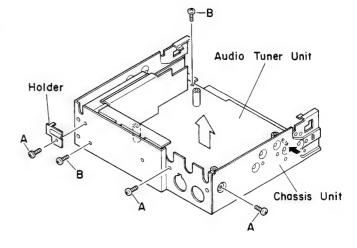


Fig. 8

• Removing the Amp P.C. Board and FM/AM Tuner Unit

- Remove the solders and unbend the tabs on back of each unit circuit board until straight.
- 2. Pull out unit as shown in illustration.

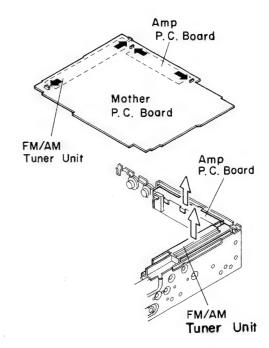


Fig. 9



6. ADJUSTMENT

• Connection Diagram

NOTICE:

Select C1 so that total capacity of 80pF is attained from the direction of the receiver jack.

Z: Output impedance of SSG.

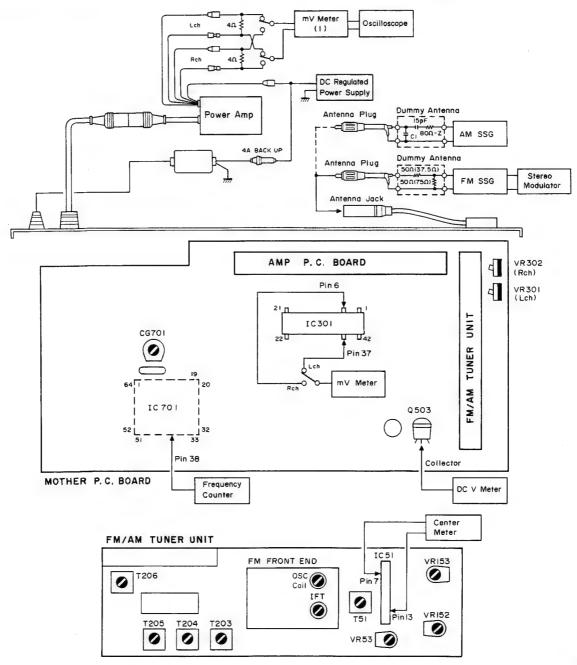


Fig. 10

DOLBY NR LEVEL ADJUSTMENT

No.	Cassette Tape	Adjusting Point	Adjustment Method (Switch Position)
1	NCT-150 (400Hz, 200nwb/m)	VR301 (Lch), VR302 (Rch)	mV Meter:-8.2dBs±1dB (Dolby NR Switch:OFF, METAL Switch:OFF)



CLOCK ADJUSTMENT

No.	Adjusting Point	Adjustment Method (Switch Position)		
1		Pin 45 of IC701 connect to pin 51 of IC701		
2	C6701	Frequency Counter: 1, 048, 576Hz ± 1Hz		

MW/LW ADJUSTMENT (KEX-M800SDK/WG, KEX-M800/EW)

	No.	AM SSG (400Hz, 30%)		Displayed	Adjusting Point	Adjustment Method (Switch Position)
		Frequency (kHz)	Level (dB μ V)	Frequency (kHz)	707110	(0#/(0#/103/(10#/
Tuning Volt	1	(MW Mode)		1, 602	T 2 0 3	DC V Meter:Less than 7.0V
	2	(LW Mode)		153		Verify that DC V Meter is more than 2.0V
1 F	1	999	20-25	999	T204, T205, T206	mV Meter(1):Maximum

AM ADJUSTMENT (KEX-M800/ES, UC) *: ES model when tuning step at 9kHz.

	No.	AM SSG (400Hz, 30%)		Displayed Frequency	Adjusting Point	Adjustment Method (Switch Position)
		Frequency (kHz)	Level (dB μ V)	(kHz)	101110	(United in 1 do 1 do 1)
Tuning Volt	1			1.710 *(1.602)	T203	DC V Meter:Less than 7.0V
	2			530 * (531)		Verify that DC V Meter is more than 2.0V
1 F	1	1,000 *(999)	20-25	1.000 *(999)	T204, T205. T206	mV Meter(1):Maximum

FM ADJUSTMENT **Stereo MOD.:1kHz, L+R=90%, Pilot=10% *:ES model when tuning step at 50kHz.

		FM SSG (400Hz, 100%)		Displayed	Adjusting Point	Adjustment Method (Switch Position)
	No.	Frequency (MHz)	Level (dB μ V)	Frequency (MHz)	FOIAL	(SWITCH FOSITION)
Tuning Voit	1			108.0 (WG.EW) 107.9 (ES.UC) *(108.0)	OSC Coil (FM Front End)	DC V Meter:7.0V
1 F	1	98. 1 Unmodulated	60	98. 1	T51	Center Meter:0
	2	98. 1	5	98. 1	IFT (FM Front End)	mV Meter(1):Maximum
Mute	1	98. 1	60	98. 1		mV Meter(1):A dB (This output is A)
	2	98. 1	10	98. 1	VR53	mV Meter(1):A-3dB
ARC	1	98.1%	60	98. 1	VR 153	mV Meter(1):Separation Maximum (Stereo Position)
	2	98. 1%	35	98. 1	VR 152	mV Meter(1):Separation 5dB (Stereo Position)



7. CASSETTE MECHANISM DISASSEMBLY

Note: Always use new washer and E washer at the time of reassembling.

• Dismounting the Cassette Holder

- 1. Remove the three springs.
- 2. Take off E washer, and then remove the arm unit.
- 3. Make the claw straight.
- 4. Shift the cassette holder toward the left and pull it out from above.

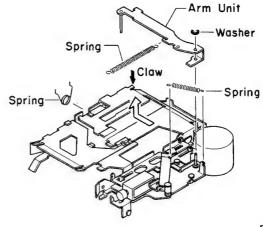


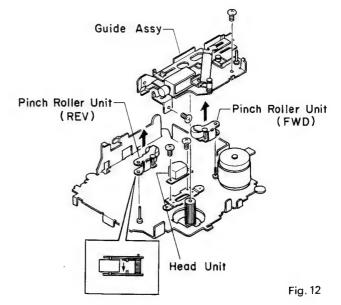
Fig. 11

• Dismounting the Head Unit

- 1. Remove the two screws, and then remove the guide assy.
- 2. Remove the two screws, and then remove the head unit.

• Dismounting the Pinch Roller Unit

1. Remove the spring and then remove the pinch roller unit



• Dismounting the Gear (Reel Base)

- 1. Remove the two screws, and then remove the cover.
- 2. Remove the collar, and then remove the spring and gear.

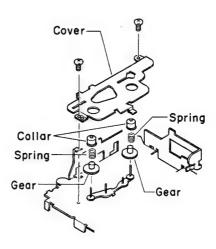


Fig. 13



• Dismounting the Flywheels

- 1. Remove the two screws, and then remove the cover.
- Take off E washer. Retain washer properly to ensure it doesn't get lost.
- 3. Remove the flywheels. Do not mistake the N and R flywheels.

• Dismounting the Motor Unit

1. Remove the two screw, and then remove motor unit.

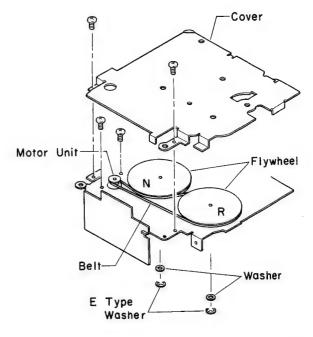


Fig. 14

8. MECHANISM DESCRIPTION 8.1 PARTS LOCATION

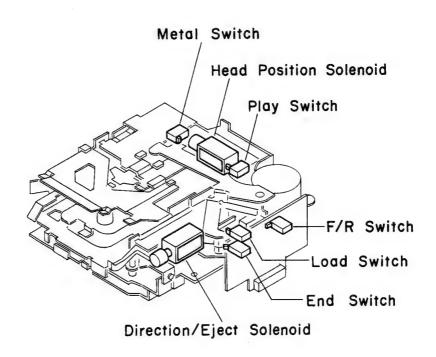


Fig. 15



8.2 DRIVING MECHANISM

• ATSC (EJECT) Mode

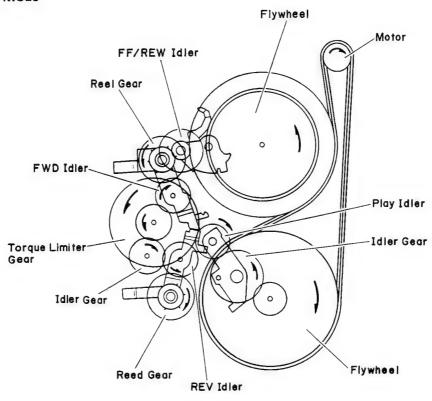
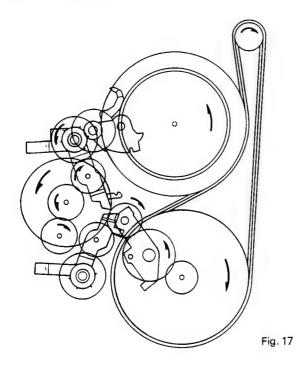


Fig. 16

• FWD PLAY Mode

• REV PLAY Mode



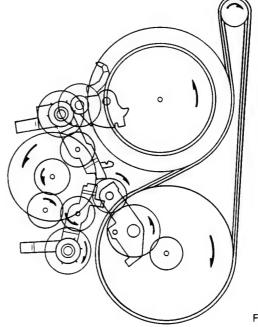
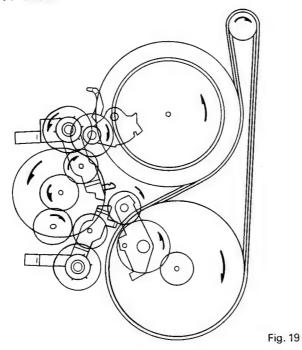


Fig. 18



• FF Mode



• REW Mode

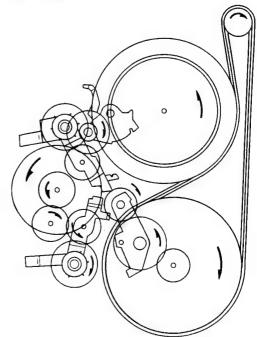


Fig. 20

9. CASSETTE MECHANISM ADJUSTMENT 9.1 AZIMUTH ADJUSTMENT

To Adjust

- Play "A" side of NCT-110 (10 kHz, -10 dB). Adjust each screw for maximum output in forward and reverse directions.
- 2. Play "B" side in forward and reverse directions to confirm adjustment.

9.2 TAPE SPEED ADJUSTMENT

• To Adjust

 Reproduce NCT-111 (3 kHz, -10 dB). Adjust the semifixed resistor so that frequency counter shows 3,010 Hz (+80 Hz, -40 Hz).

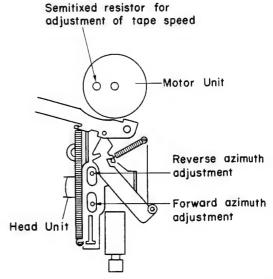


Fig. 21



9.3 CHECK POINTS OF CASSETTE MECHANISM

	■ Tape speed deviation: 3,000 ⁺⁹⁰ ₋₃₀ Hz	■ Wow and flutter: Less than 0.18% (WRMS)	
Confirm the following items when replacing parts of the cassette mechanism.	(4.76cm/s + 3 %) Using an NCT-111, measure the speed at the start and end of winding and take the maximum value. If values indicated by the pointer vary considerably, adjust to 70% of the minimun and maximum values. Measuring time shall be 5 - 6 seconds.	Using an NCT-111, measure the wow and flutter at the start and end owinding and take the maximum value of the start and end owinding and take the maximum value of the start and take the maximum values. Meas uring time shall be 5 — 6 seconds.	
■ Fast forward and rewinding time:	■ Winding torque:	■ F.F. torque:	
95—115 seconds	37—63g•cm	70—110g • cm	
Using a C-60, set to fast forward and rewind, and measure the time with a stop watch.	Using a cassette type torque meter (100 g·cm), measure the minimum value while in the play mode. Measuring time shall be 2.5 — 6 seconds.	Using a cassette type torque meter (120 g•cm), measure the value when the tape stops in the F.F. mode.	
■ REW torque:	Back tension torque:	■ Cassette loading force:	
70—110g • cm	0.5-5 kg	Less than 0.5 kg	
Using a cassette type torque meter (120 g*cm), measure the value when the tape stops in the REW mode.	After setting in the REW mode without loading a cassette tape for 5 minutes, measure the back tension torque in the play mode, using a cassette type torque meter.	Push the center of the cassette and measure the force with a tension meter (3 kg).	
·			



• ICs and Transistors

2SB1243 2SD1859

2SK330

2SJ106

2SC2712 2SC3295 2SC4116

2SB945











2SK435



2SK184

2SC1545F









UN4122 UN4211 UN4212





DTC143TS DTC144TS DTC314TS DTC343TS







UN4211 UN4212 DTC114ES DTC124ES DTC143ES

UN4122 DTA124ES DTC143TS DTC144TS DTC314TS DTC343TS

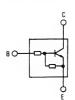
DTC124EK DTC144EK

DTC343TK





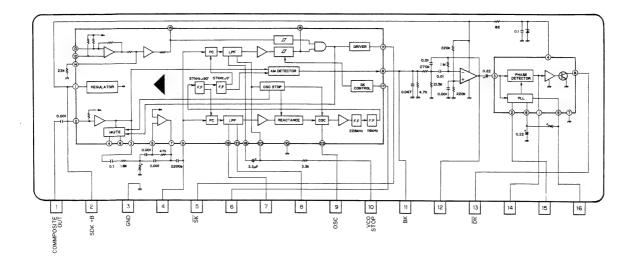




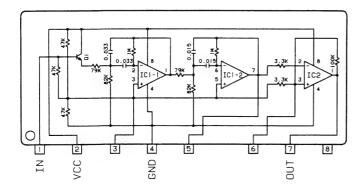


X-M800

IC501: KHA142

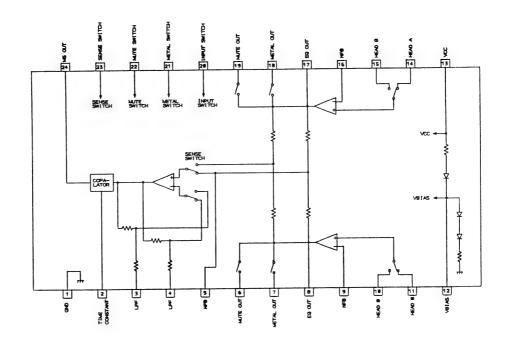


IC502: CWW1091

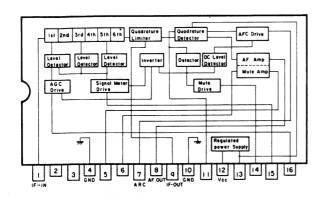




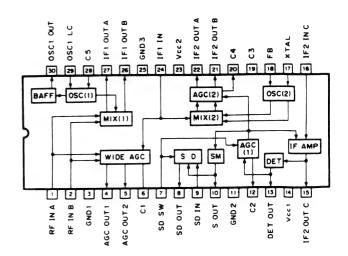
IC1:BA3430FS



IC51:LA1140B

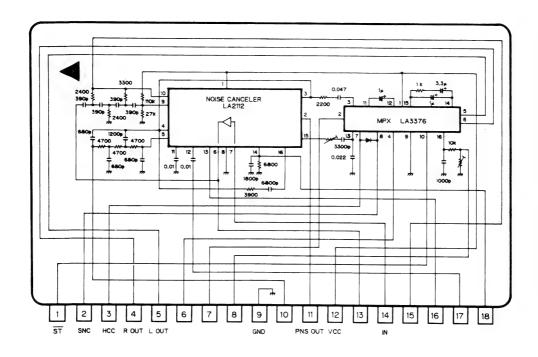


IC201:PA4010



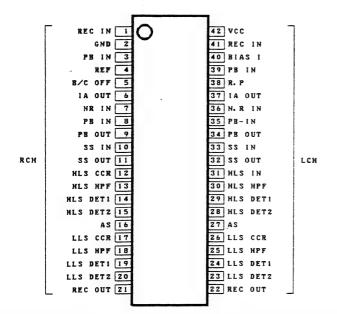
-X-M800

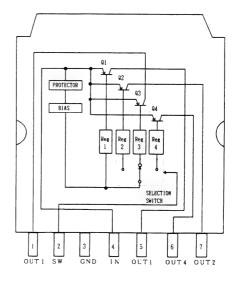
IC101: KHA146



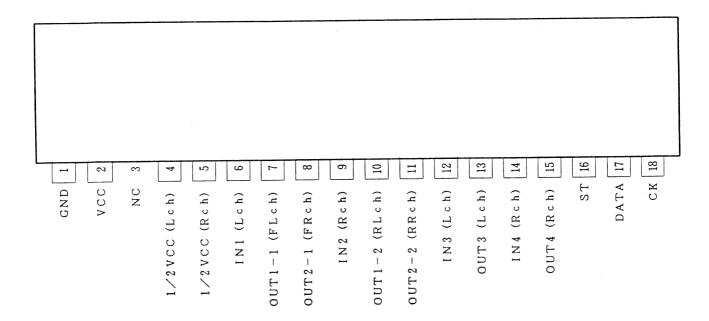
IC301: HA12088ANT

IC703:TA8214K

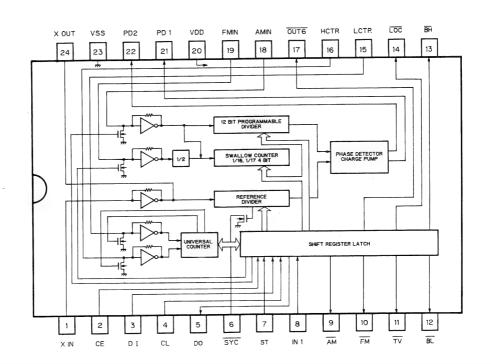




IC451:KHA159A

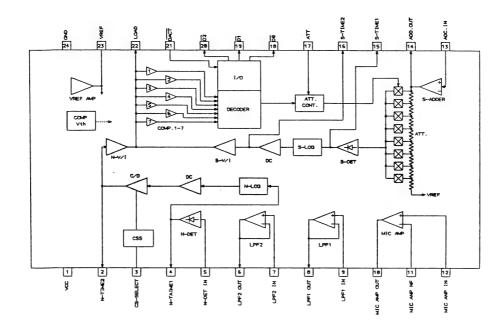


IC503:LC7218

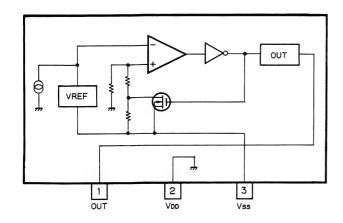


EX-M800

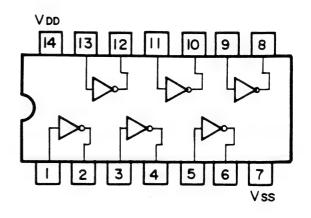
IC551:PM2002



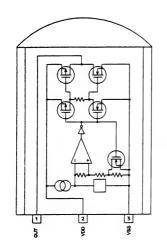
IC702: S-8053ANO



IC504:TC4069UBP

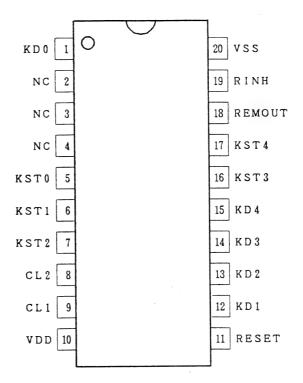


IC901: S-80740AH





IC904:PD4189



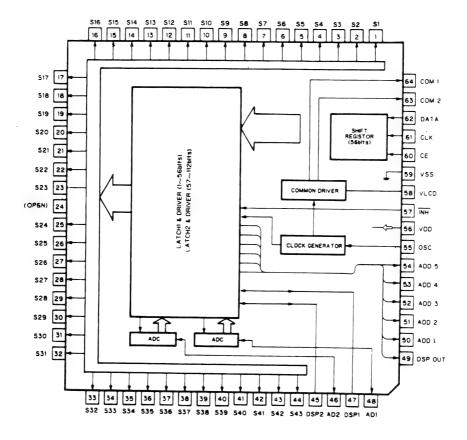
• Pin Functions (PD4189)

Pin No.	Pin Name	1/0	Output Format	Function and Operation
1	KDD	INPUT		Key return input
2 — 4	NC			
5 — 7	KSTO — KST2	OUTPUT	NM	Key strobe output
8	CL2			System clock generator connector pin
9	CL1			System clock generator connector pin
10	VDD			
11	RESET	INPUT		Reset input
12 - 15	KD1 — KD4	INPUT		Key return input
16, 17	KST3, KST4	OUTPUT	NM	Key strobe output
18	REMOUT	OUTPUT	NM	Remote controller data output
19	RINH	OUTPUT	NM	Remote controller OFF output when key data is outputed
20	VSS			GND

Output Format	Meaning
NM	Neutral resistivity N channel open drain

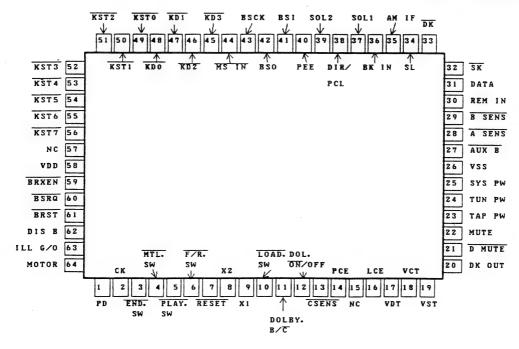


IC903:LC7582P



IC701: *PD4188

IC's marked by *are MOS type. Be careful in handling them because they are very liable to be damaged by electrostatic induction.

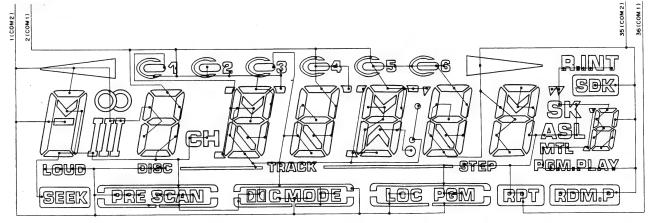


Pin No.	Pin Name	1/0	Output Format	Function and Operation
1	PD	Output	С	LCD driver IC and PLL IC data line
2	CK	Output	С	LCD driver IC and PLL IC clock line
3	END. SW	Input		Deck END sensor input
4	MTL. SW	Input		Deck METAL (70 μ S) sensor input
5	PLAY. SW	Input		Deck head position(PLAY)sensor input
6	F/R. SW	Input		Deck FWD/REV sensor input
7	RESET	Input		Reset input
8	X2			Crystal oscillating element connection pin
9	X1			Crystal oscillating element connection pin
10	LOAD. SW	Input		Deck LOAD/EJECT sensor input
11	DOLBY. B/C	Output	С	Dolby NR B/C selector output
12	DOL. ON/OFF	Output	С	Dolby NR ON/OFF selector output
13	CSENSE	Input		Front panel OPEN/CLOSE sensor input
14	PCE	Output	С	Chip enable output for PLL IC (IC503:LC7218)
15	NC			Not used
16	LCE	Output	С	Chip enable output for LCD driver IC
17	VDT	Output	C	Data output for electronic volume IC(IC451:KHA159A)
18	VCK	Output	C	Clock output for electronic volume IC(IC451:KHA159A)
19	VST	Output	C	Strobe output for electronic volume IC(IC451:KHA159A)
20	DK OUT	Output	С	Tuner mute output
21	D MUTE	Output	С	Deck mute output
22	MUTE	Output	С	System mute output
23	TAP PW	Output	C	Not used
24	TUN PW	Output	C	Tuner power supply control
25	SYS PW	Output	С	System (power amp) power supply control
26	VSS			GND
27	AUXB	Input		AUX B sensor input
28	ASENSE	Input		ACC power supply sensor input
29	BSENS	Input		BACK UP power supply sensor input
30	REMIN	Input		Remote control pulse input
31	DATA	Input		Data input for PLL IC (IC503:LC7218)
3 2	SK	Input		SK signal input
33	DK	Input		DK signal input
3 4	SL	Input		Input level sensor input
35	AM IF	Input		AM IF count input
36	BK IN	Input		BK signal input
37	SOL1	Output	1	Output for deck solenoid 1 (head position)
38	DIR/PCL	Output	C.	Deck FWD/REV head selector output
39	SOL2	Output	C	Output for deck solenoid 2 (DIR selector and EJECT)
40	PEE	Output	C	Beep tone output

Pin No.	Pin Name	1/0	Output Format	Function and Operation
41	BS I	Input		Bus serial data input
42	BS 0	Output	С	Bus serial data output
43	BSCK	Input/	С	Bus serial clock input/output
		Output		
44	MS IN	Input		Music signal input
45~48	KD3~KD0	Input		Key return input
49	KST0	Output	NM	Model sense strobe output
50	KST1	Output	NM	Model sense strobe output
51	KST2	Output	NM	ASL strobe output
52	KST3	Output	NM	Key strobe output
53	KST4	Output	NM	ASL mode selector output 1
54	KST5	Output	NM	ASL mode selector output 2
55	KST6	Output	NM	Detaching and replaceing front panel control
56	KST7	Output	NM	Strobe output for front panel open solenoid control
57	NC			
58	VDD			
59	BRXEN	Input/	C	Bus reception enable line
		Output		
60	BSRQ	Input		Data communications serial poll request
61	BRST	Output	С	Bus reset
62	DIS B	Output	С	AUX control output
63	ILL G/O	Output	C	Illumination green/amber selector output
64	MOTOR	Output	C	Deck main motor control output

Output Format	Meaning
С	CMOS Output
NM	Neutral resistivity N channel open drain

• LCD (CAW1042) COMMON

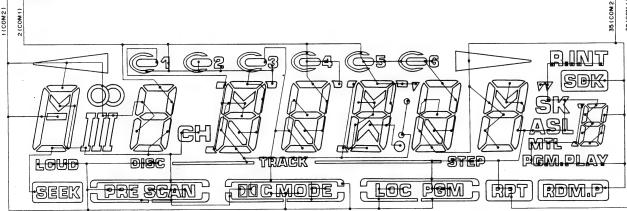


KEX-M800

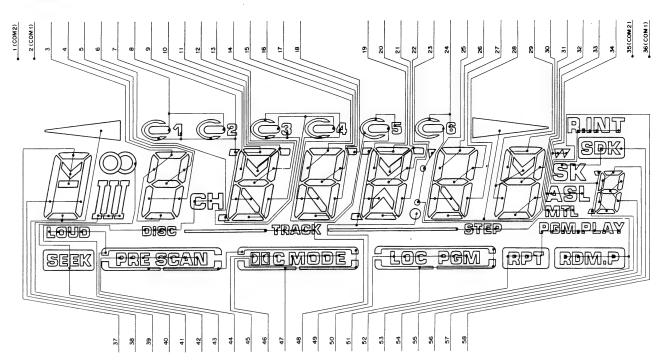
Pin No.	Pin Name	1/0	Output Format	Function and Operation
41	BS I	Input		Bus serial data input
42	BS 0	Output	С	Bus serial data output
43	BSCK	Input/	С	Bus serial clock input/output
		Output		
44	MS IN	Input		Music signal input
45~48	KD3~KD0	Input		Key return input
49	KSTO	Output	NM	Model sense strobe output
50	KST1	Output	NM	Model sense strobe output
51	KST2	Output	NM	ASL strobe output
52	KST3	Output	NM	Key strobe output
53	KST4	Output	NM	ASL mode selector output 1
54	KST5	Output	NM	ASL mode selector output 2
55	KST6	Output	NM	Detaching and replaceing front panel control
56	KST7	Output	NM	Strobe output for front panel open solenoid control
57	NC			
58	VDD			
59	BRXEN	Input/	С	Bus reception enable line
		Output		
60	BSRQ	Input		Data communications serial poll request
61	BRST	Output	С	Bus reset
6 2	DIS B	Output	С	AUX control output
63	ILL G/O	Output	С	Illumination green/amber selector output
64	MOTOR	Output	С	Deck main motor control output

Output Format	Meaning
С	CMOS Output
NM	Neutral resistivity
	N channel open drai

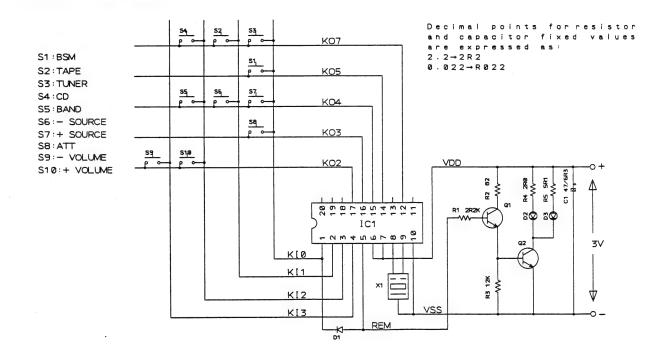
• LCD (CAW1042) COMMON



SEGMENT



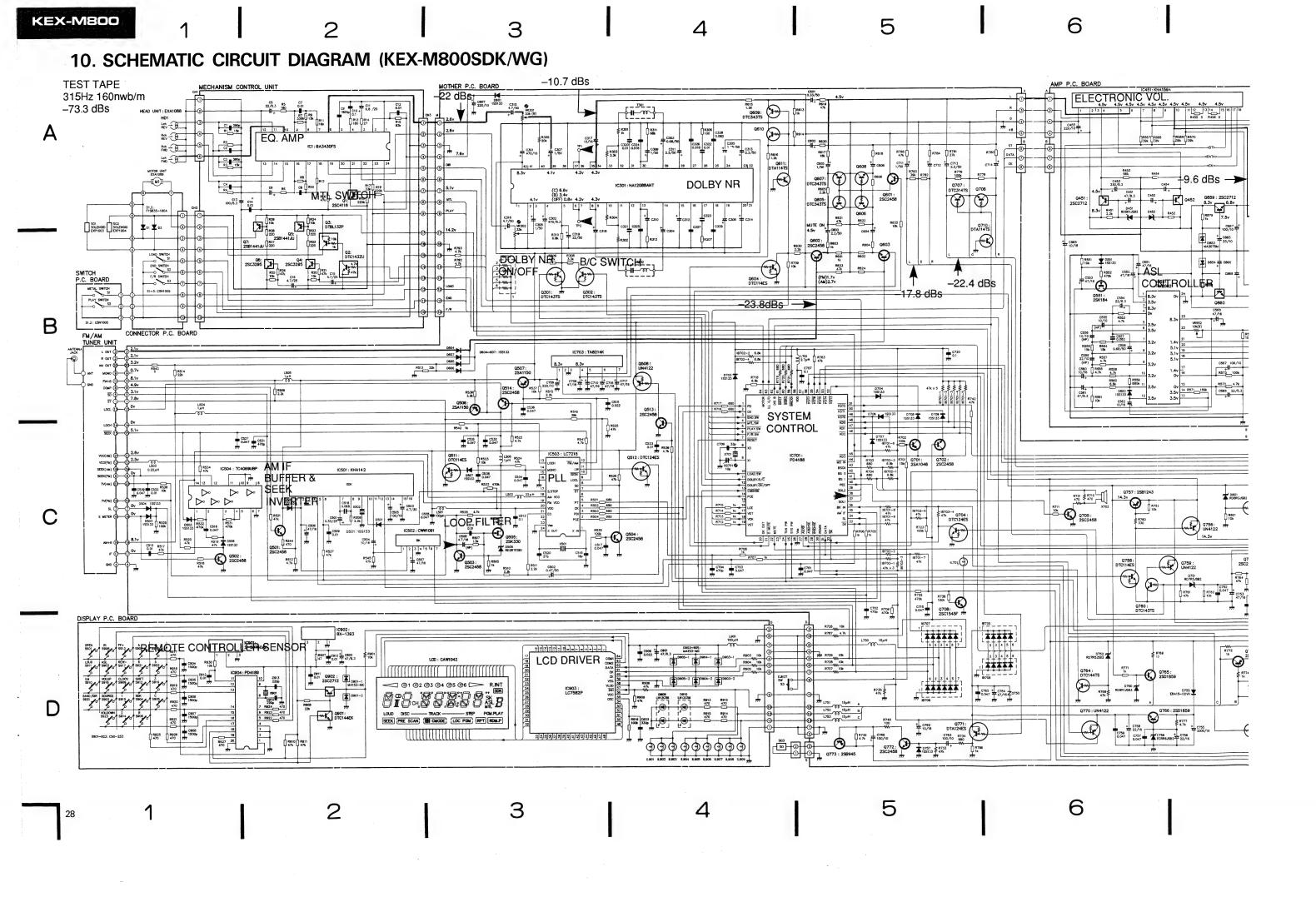
• Remote Control Assy

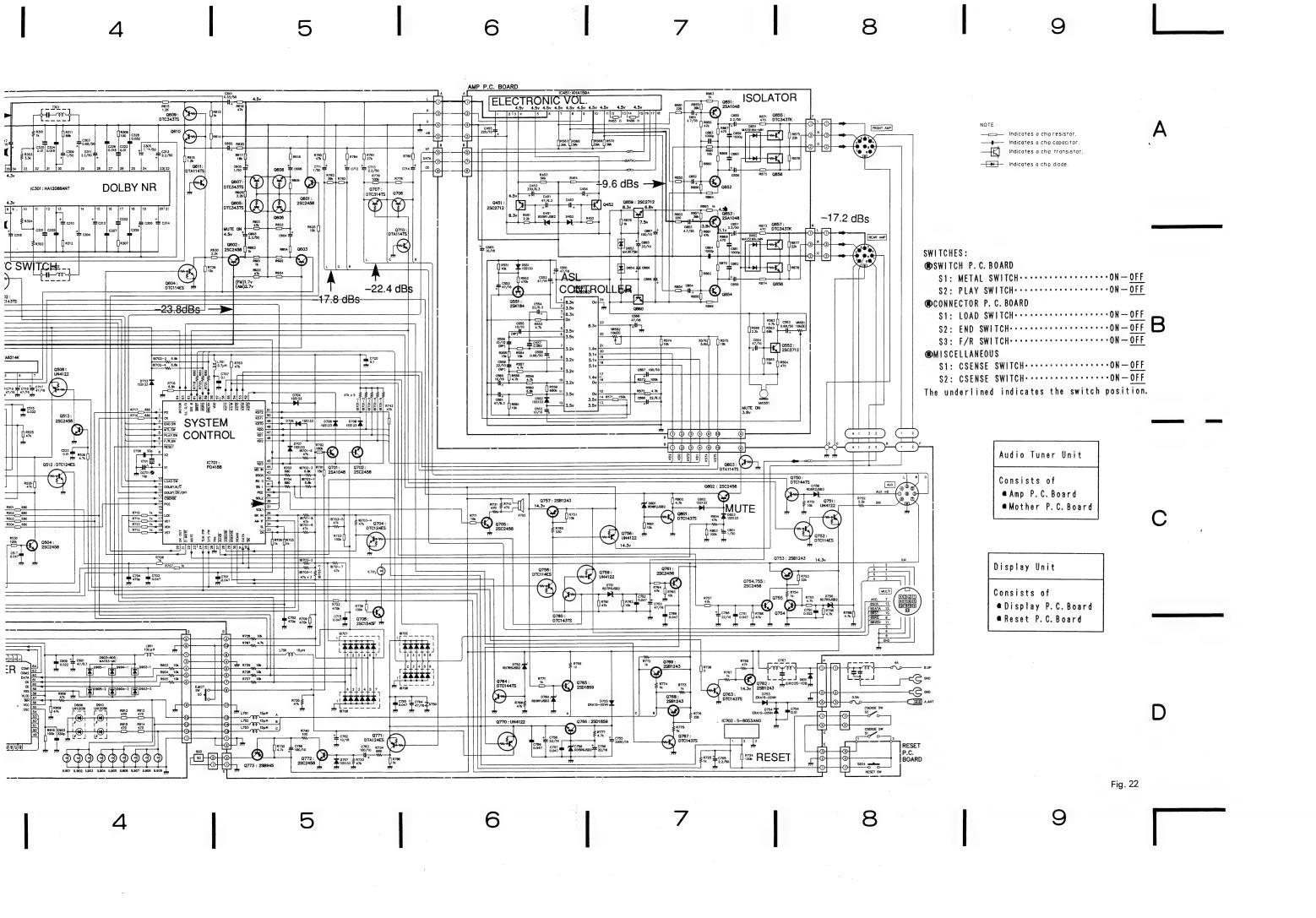


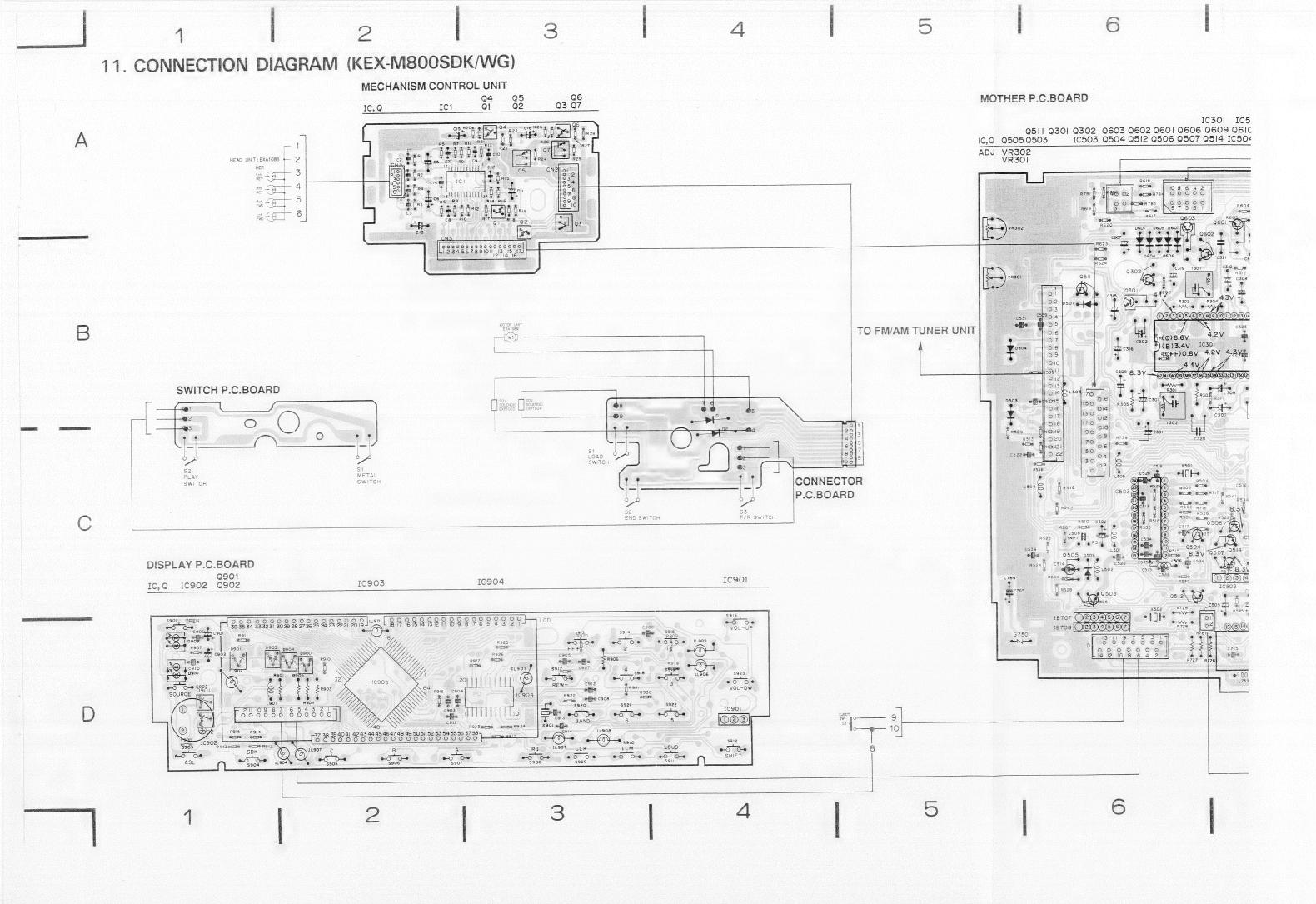
EJECT)

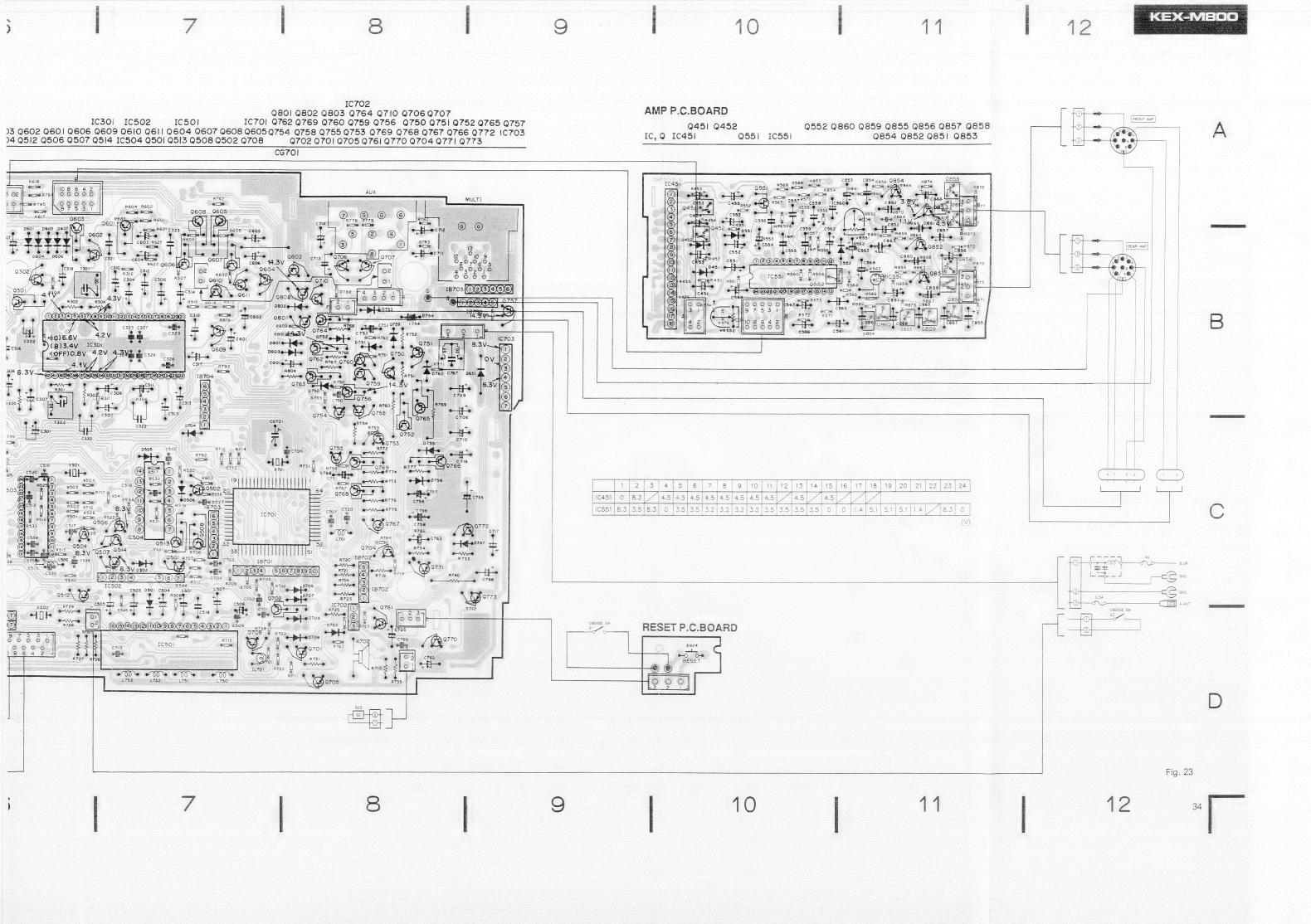
A159A)

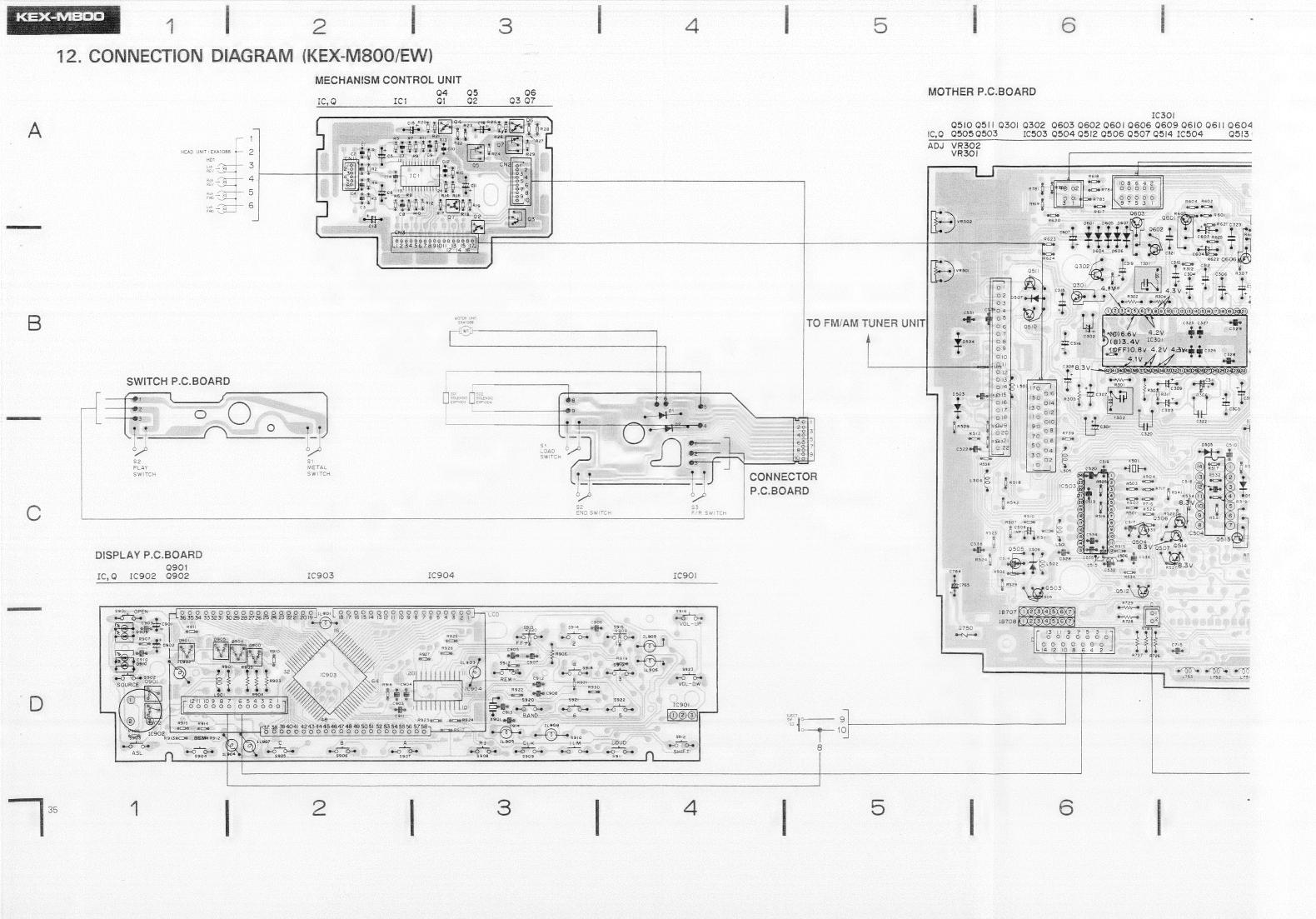
HA159A) KHA159A)

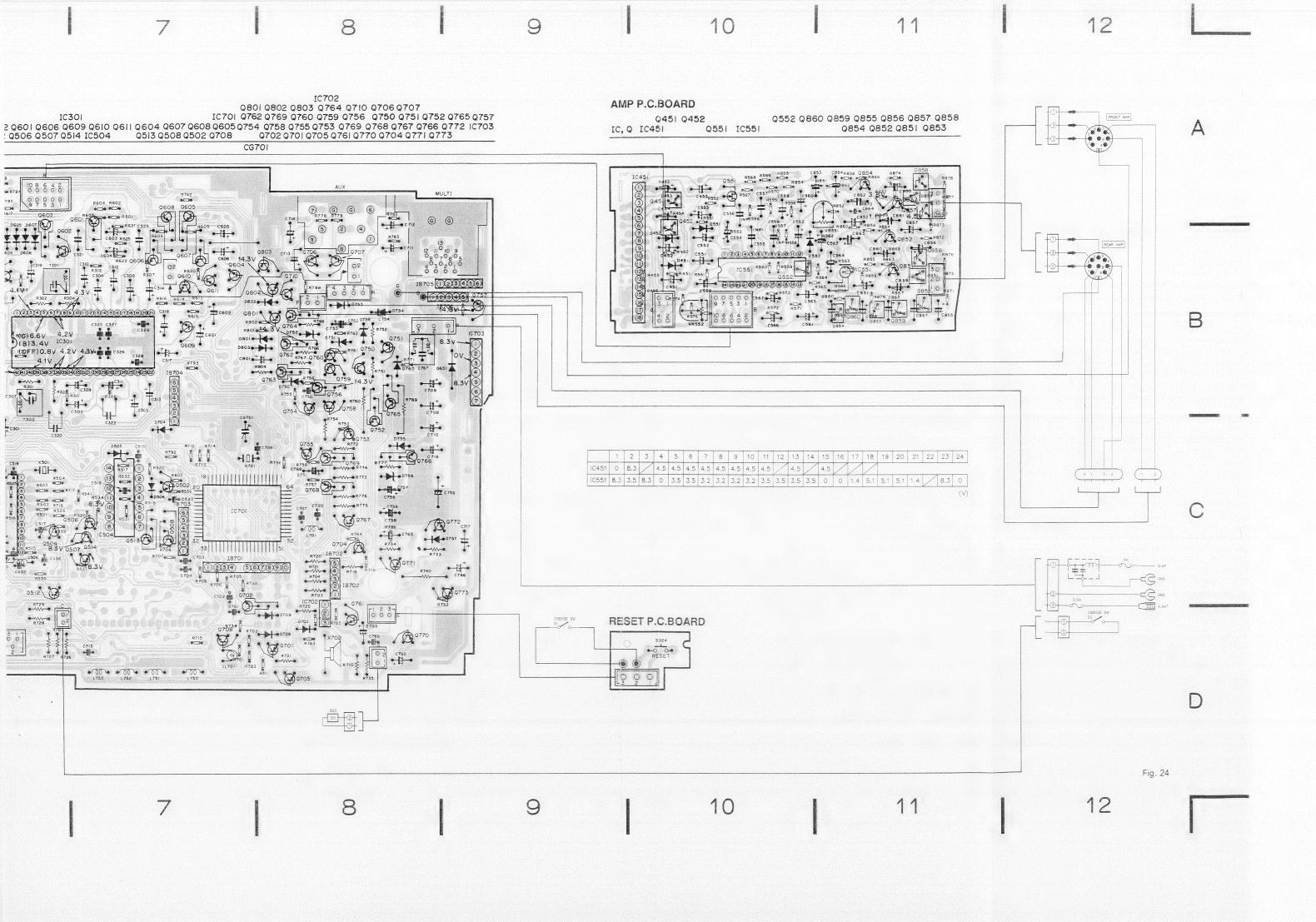


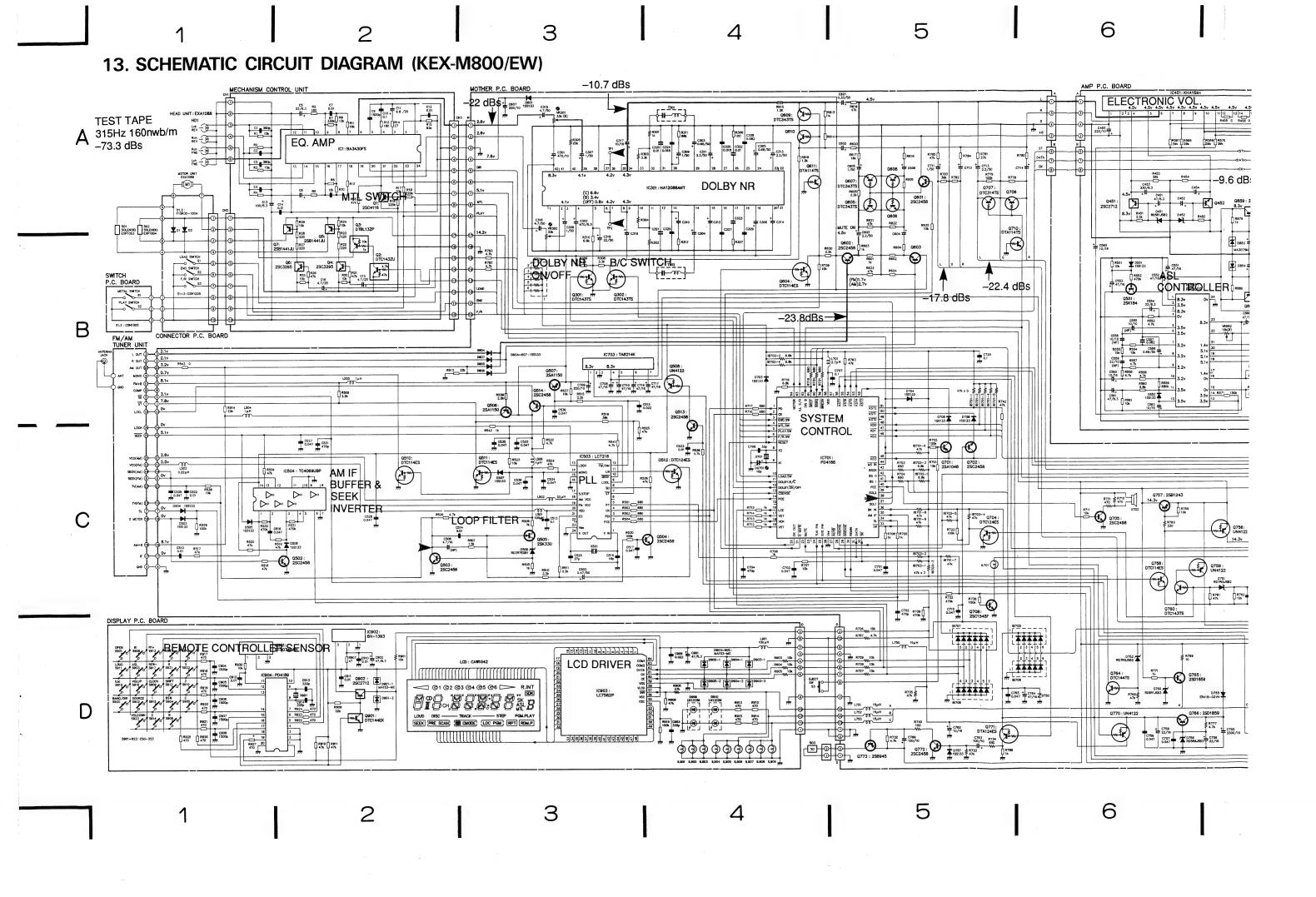


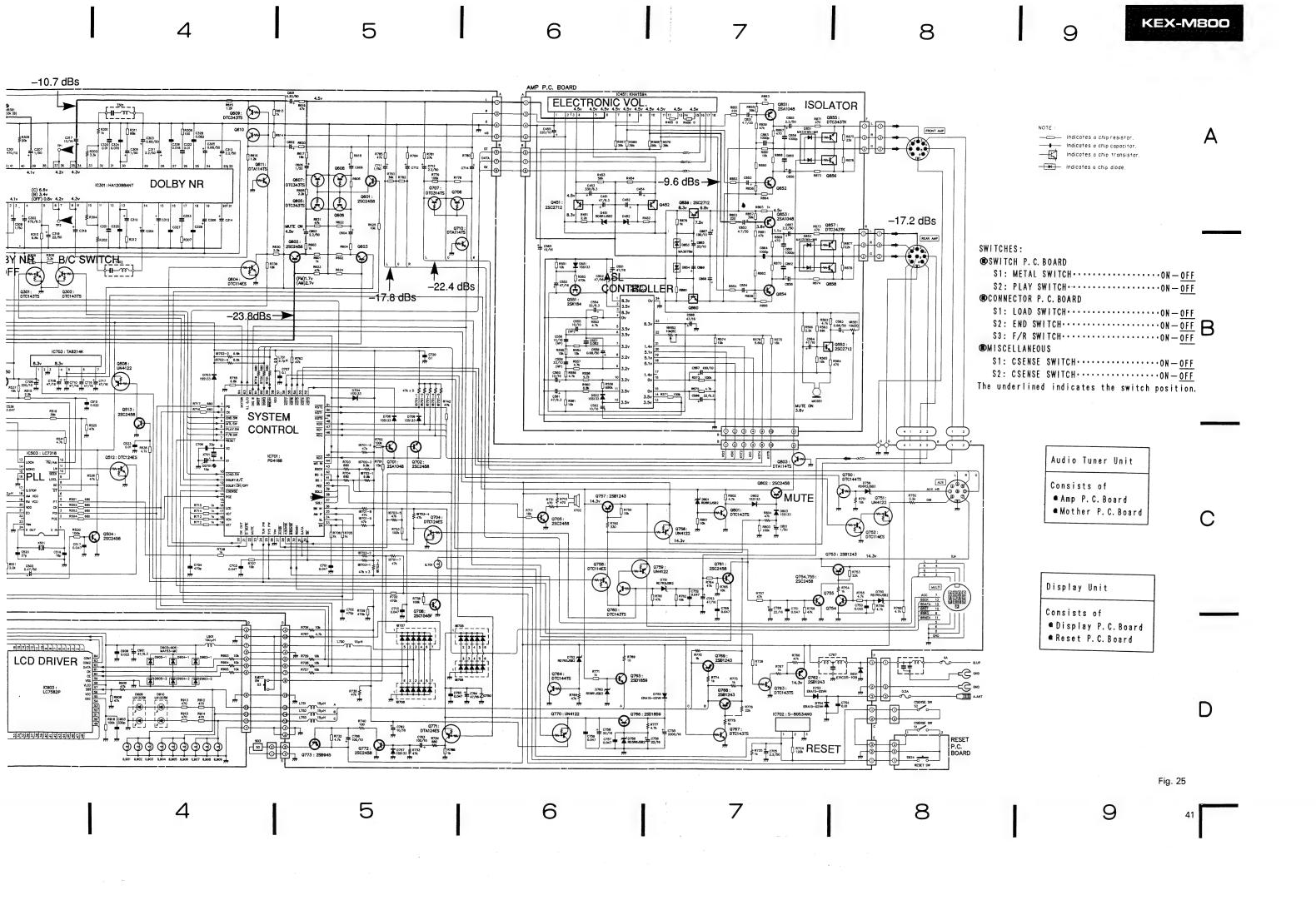


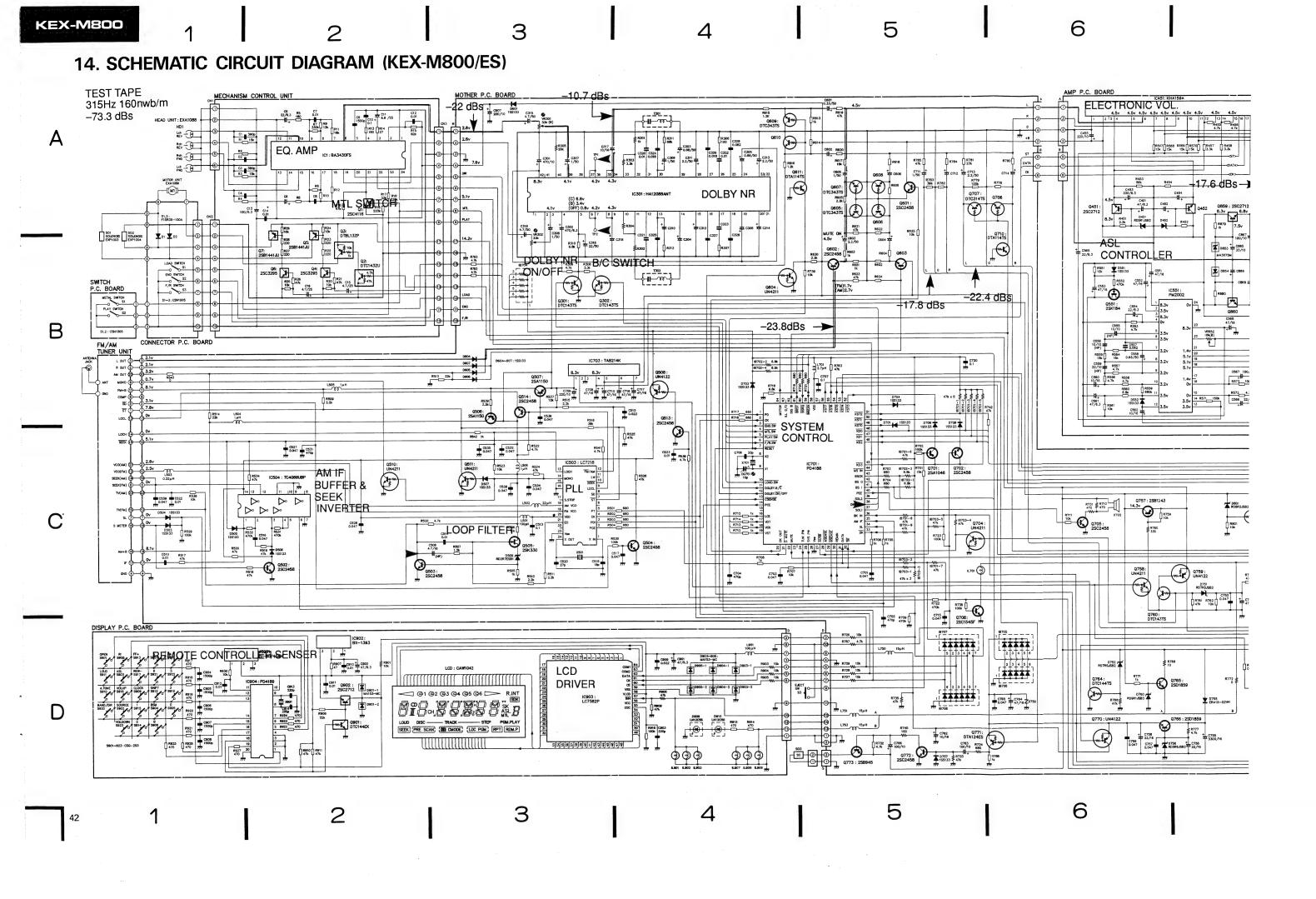


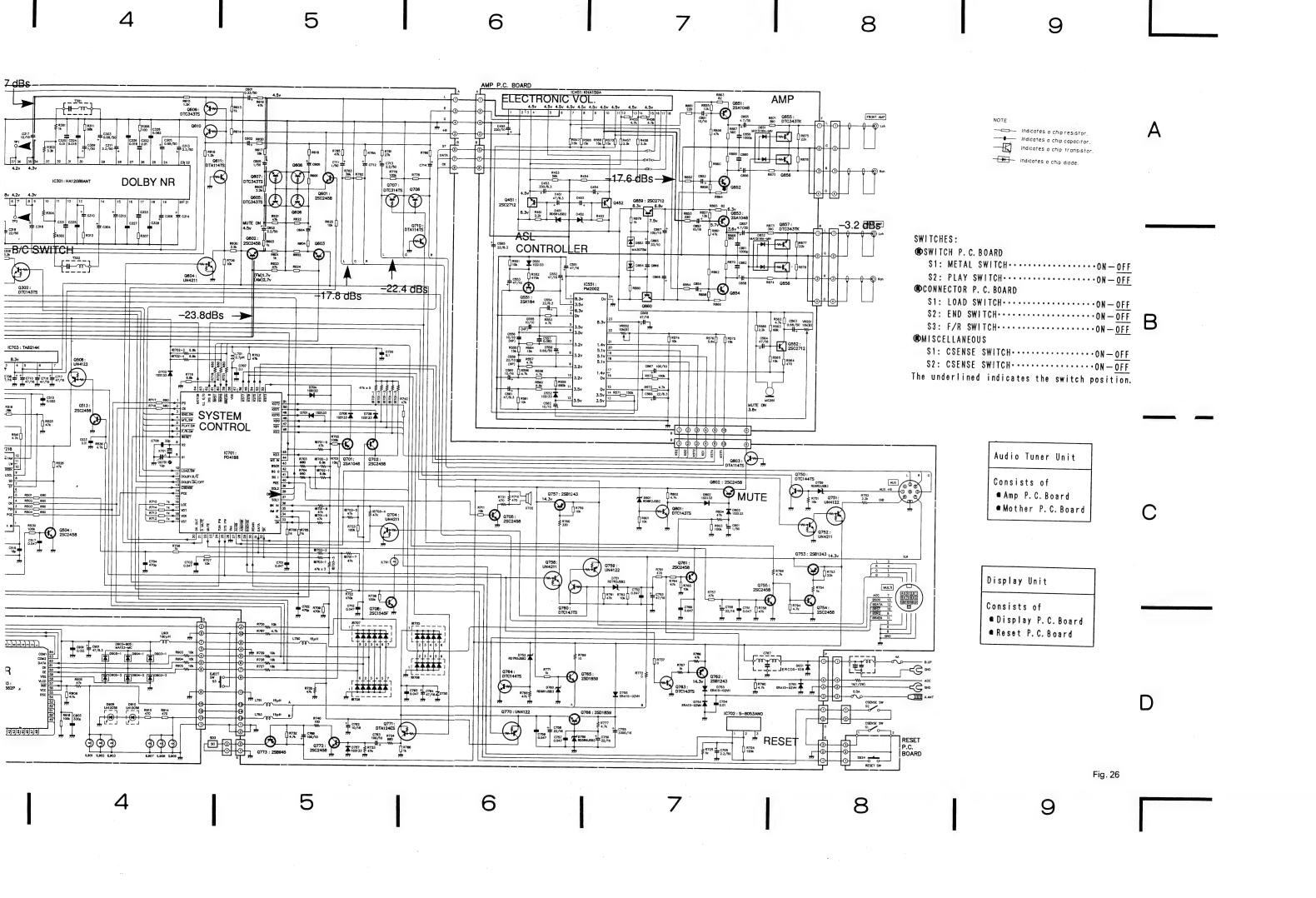


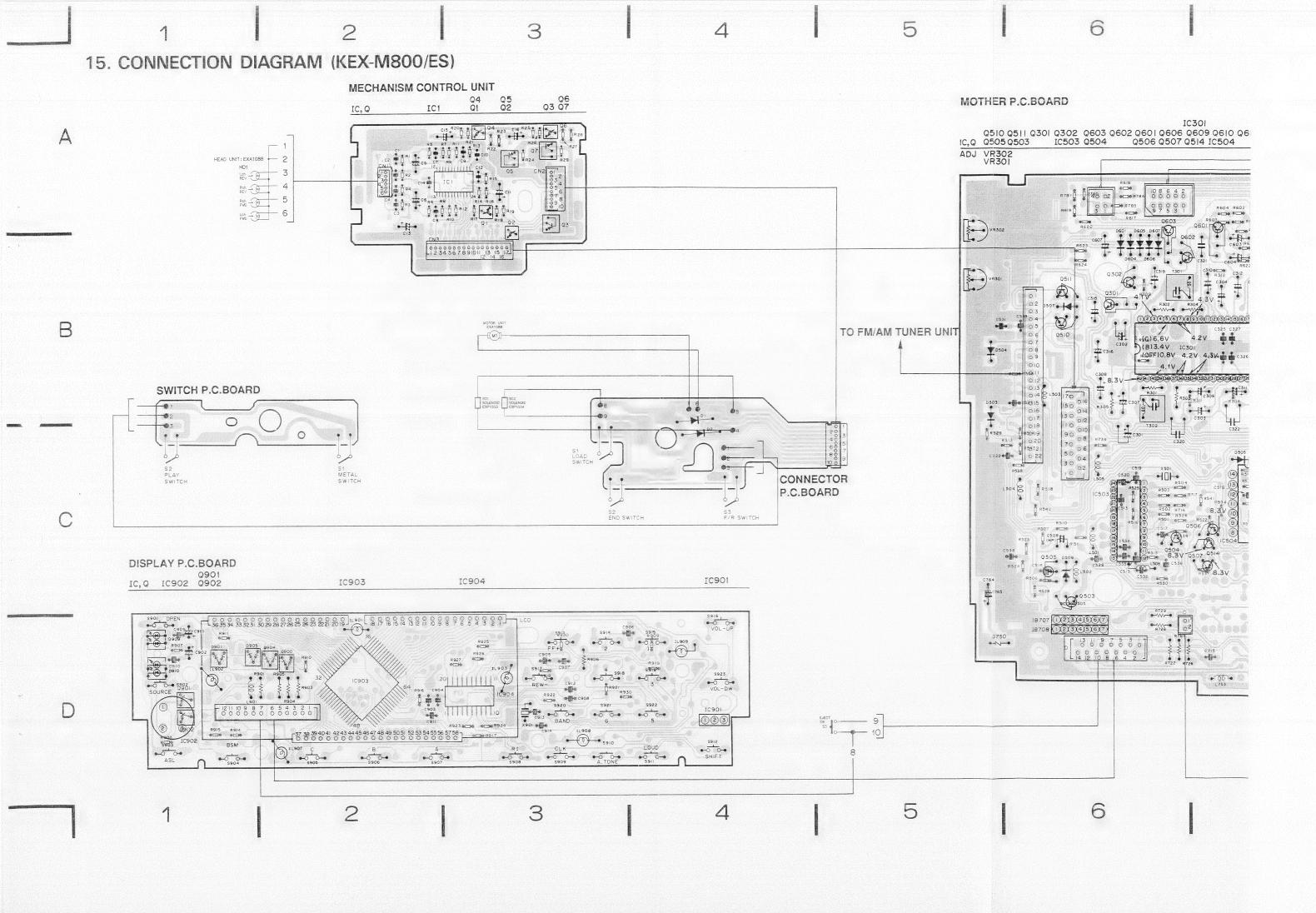


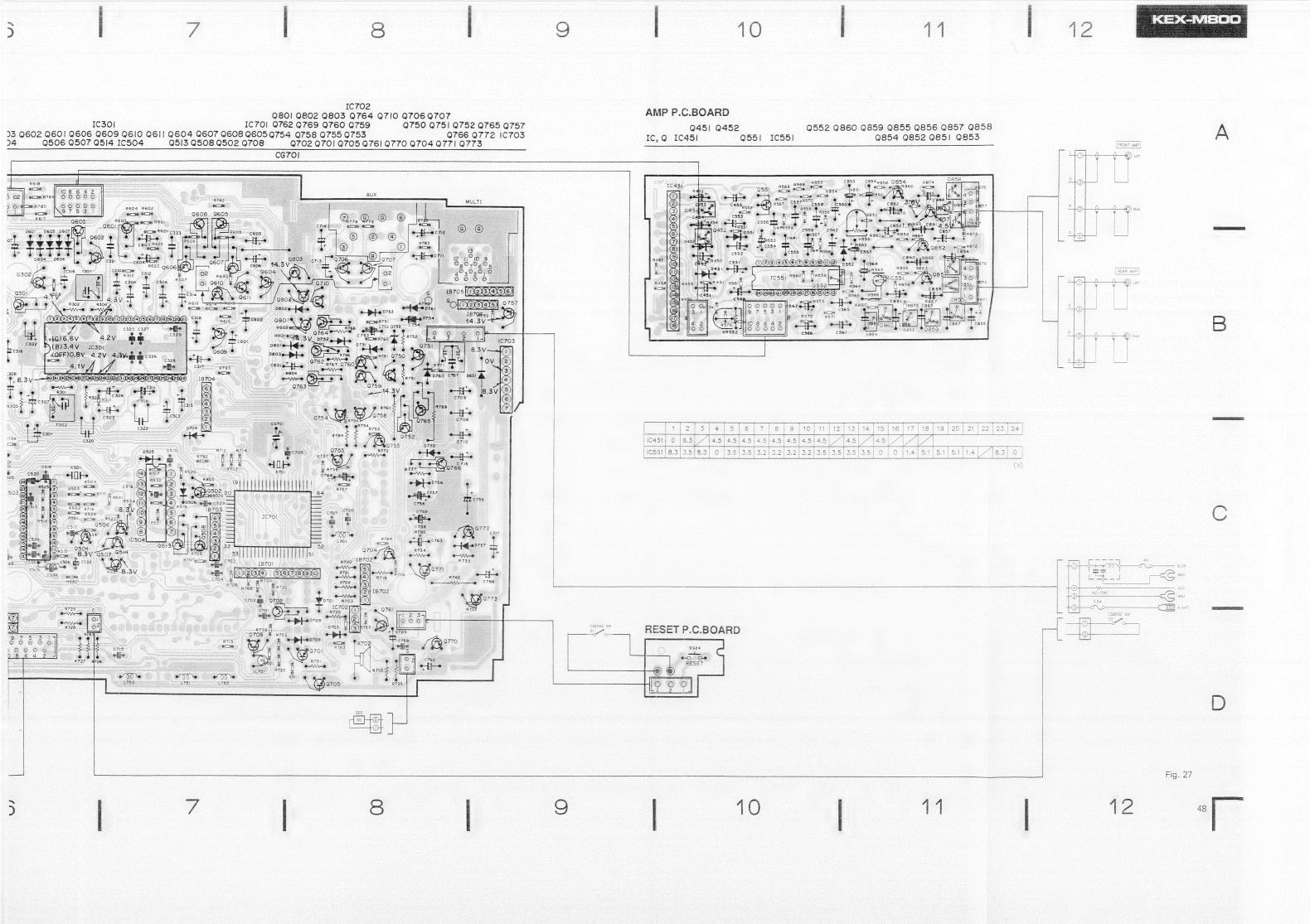


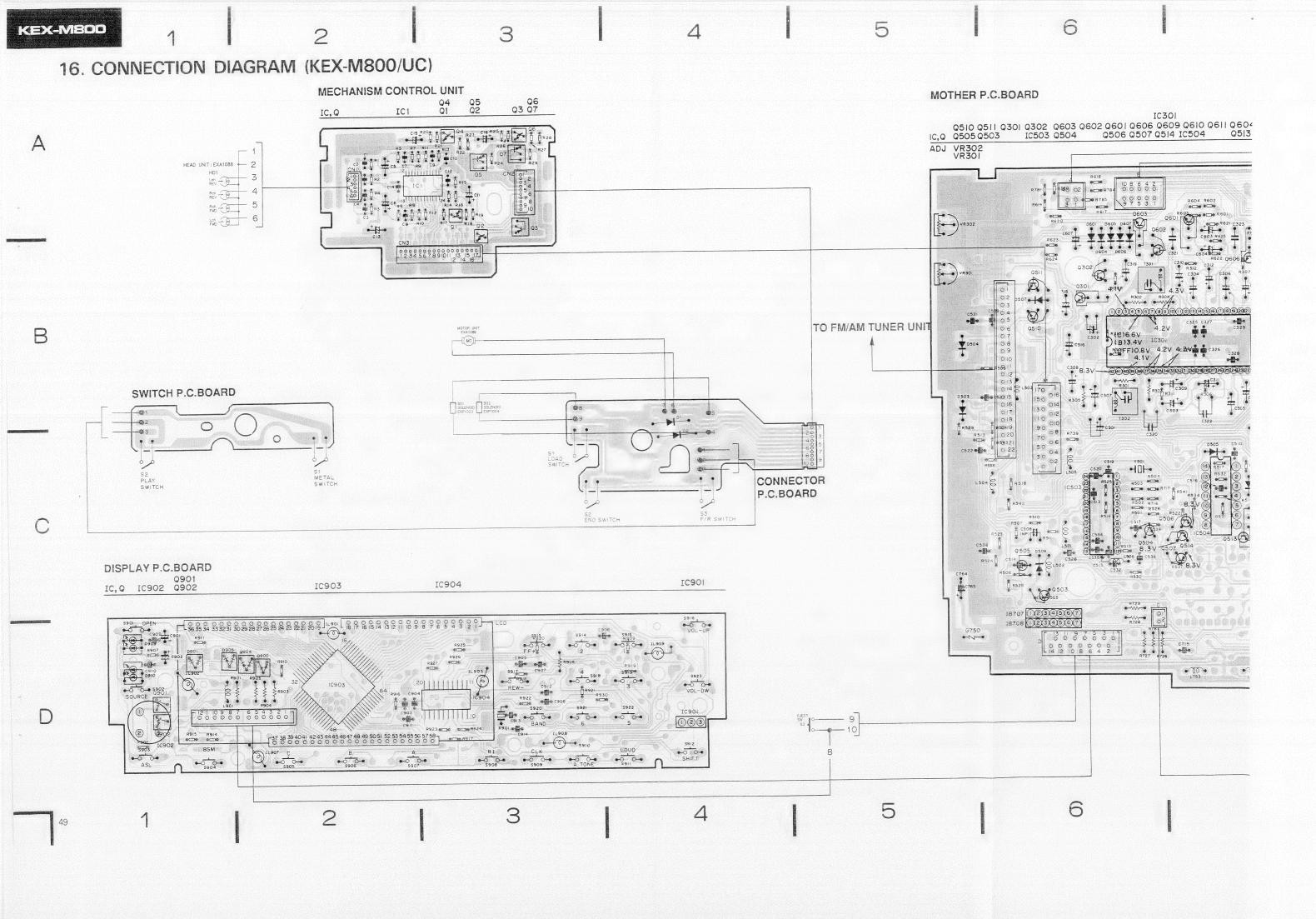


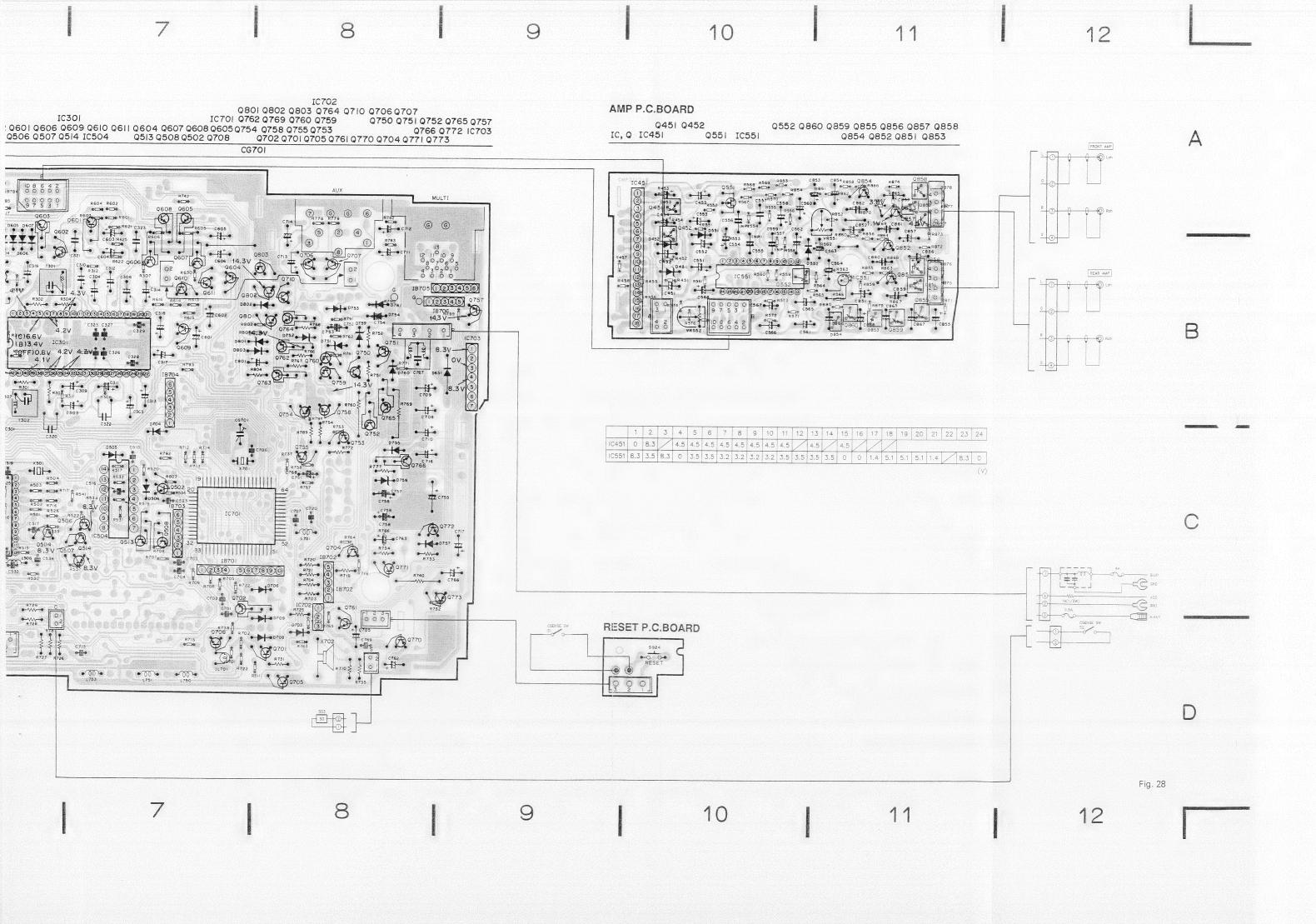


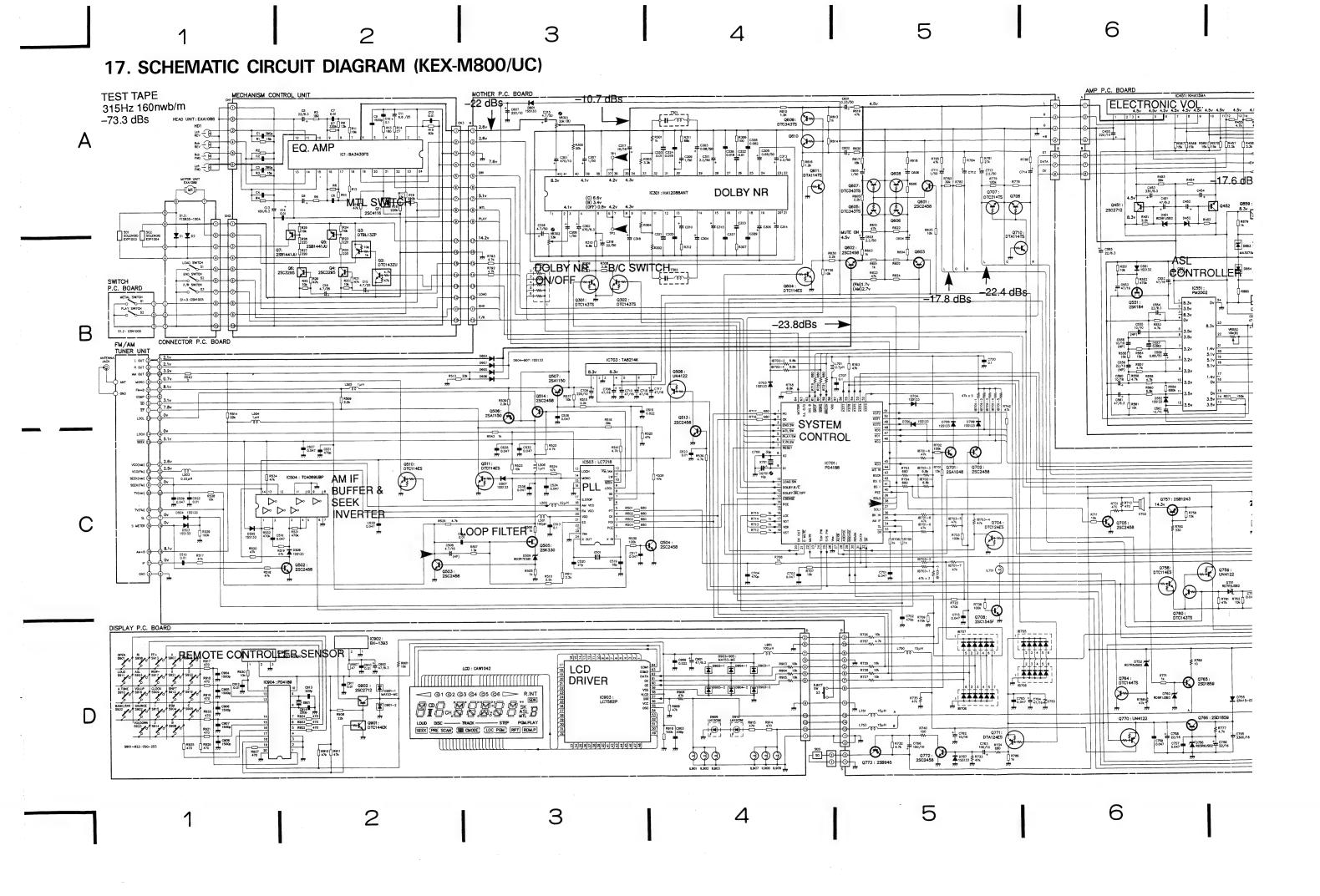


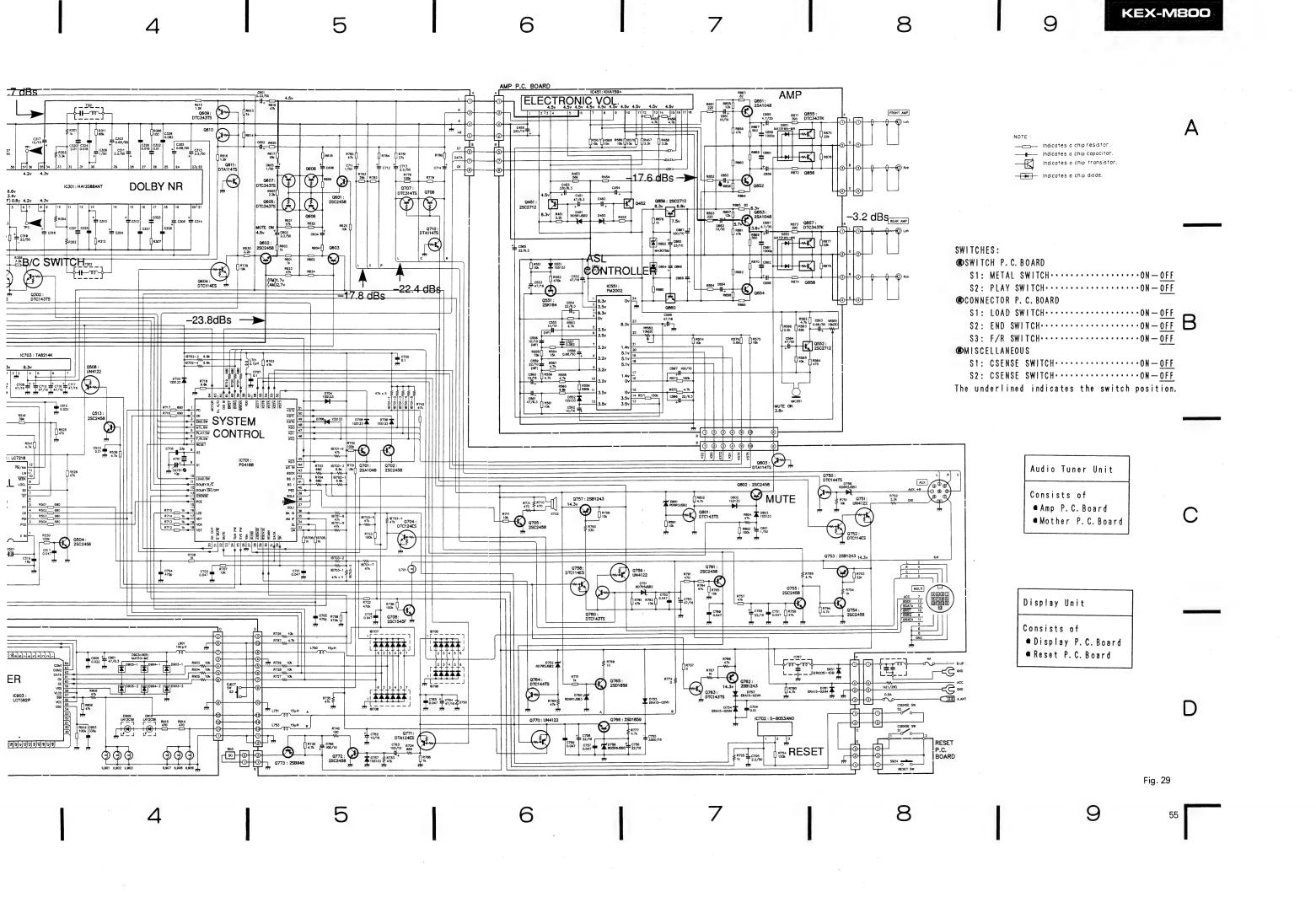






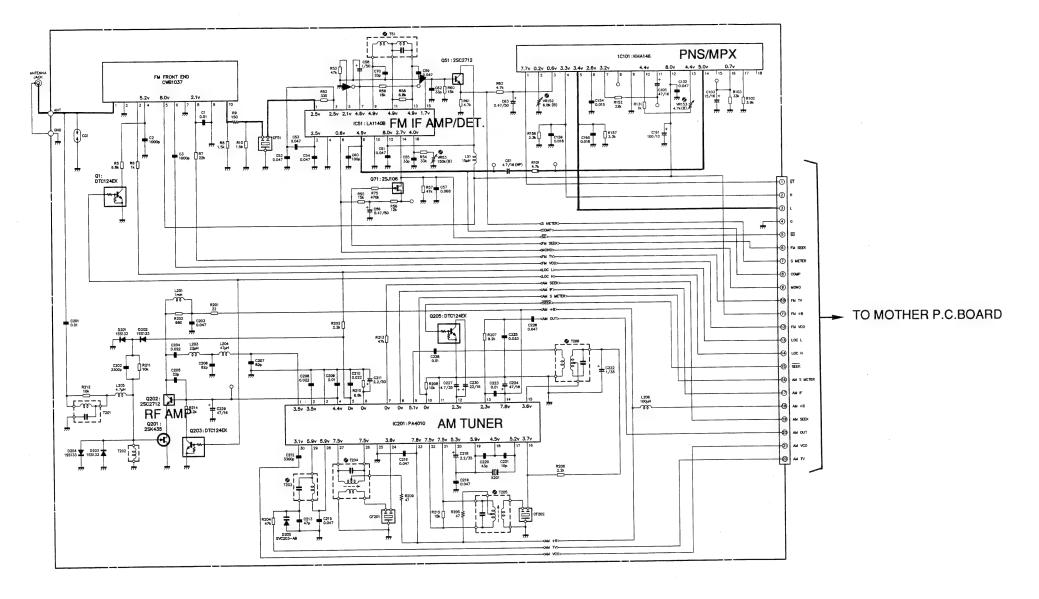






18. FM/AM TUNER UNIT

• KEX-M800SDK/WG, KEX-M800/EW



• KEX-M800/ES

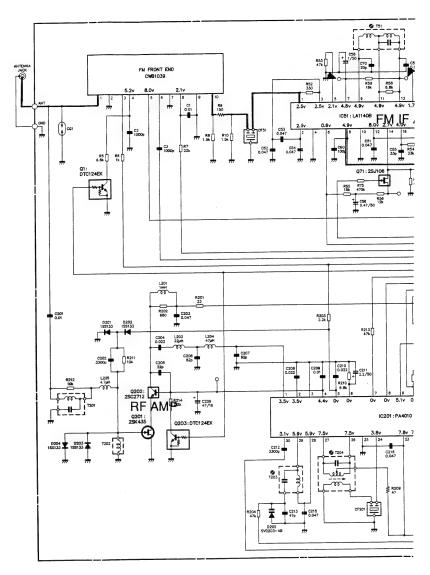
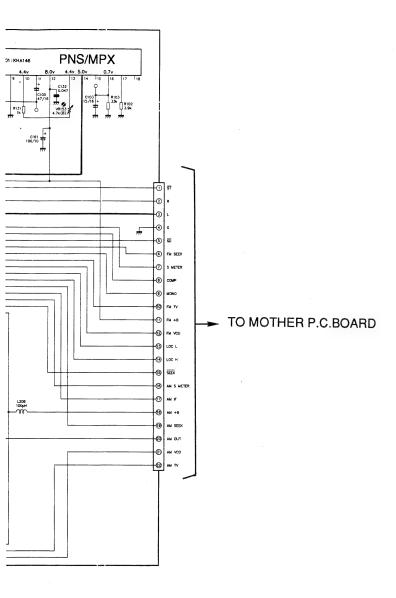


Fig. 30



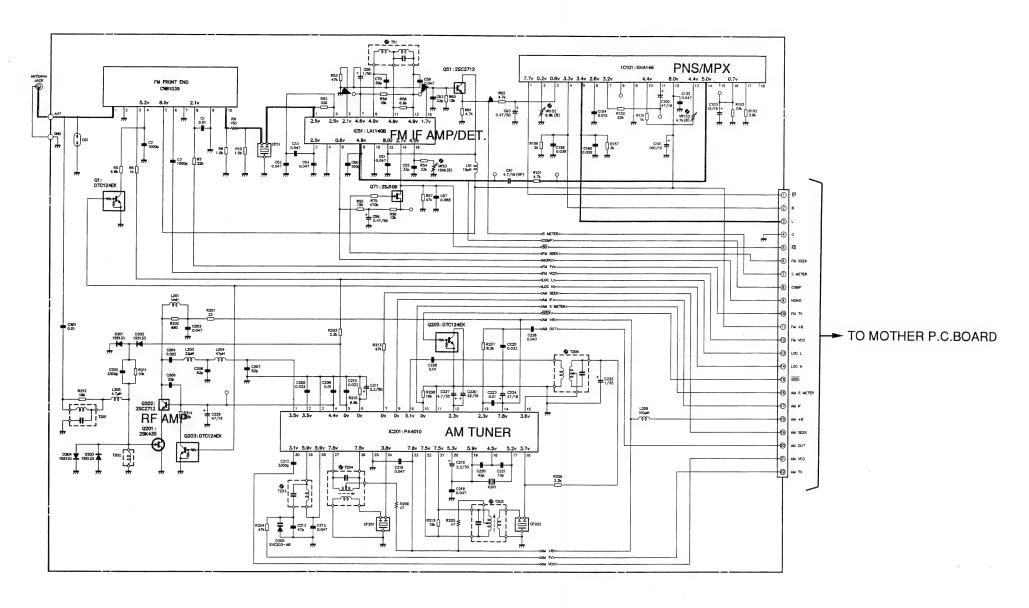
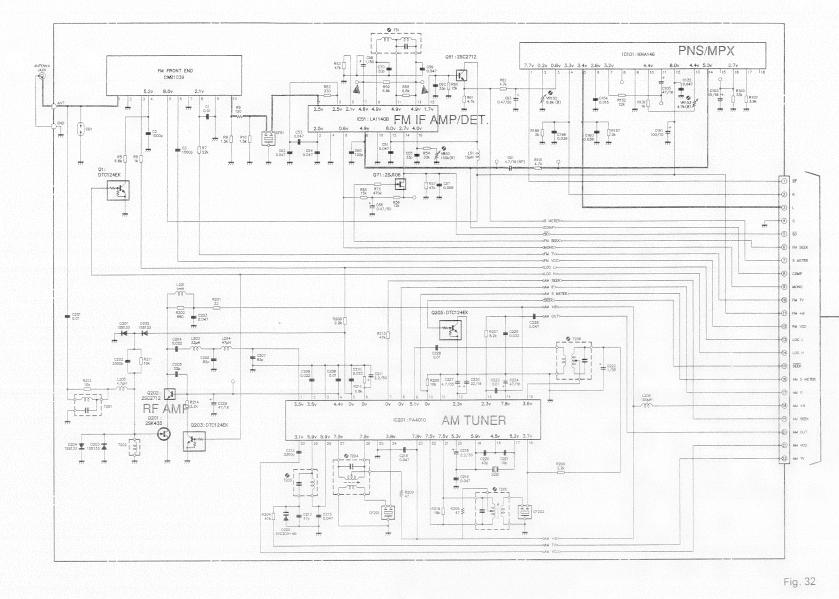


Fig. 30

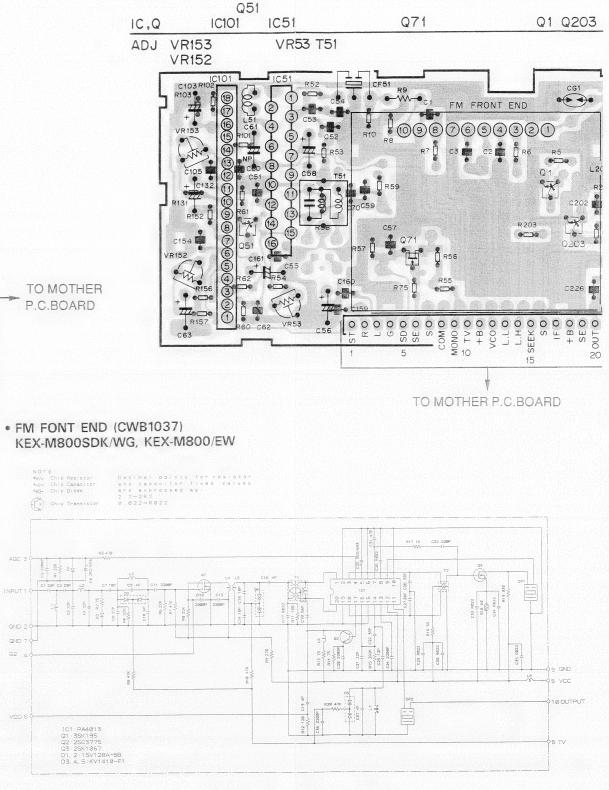
Fig. 31

57

KEX-M800/UC



KEX-M800SDK/WG, KEX-M800/EW, KEX-M800/ES, KEX-M800/UC



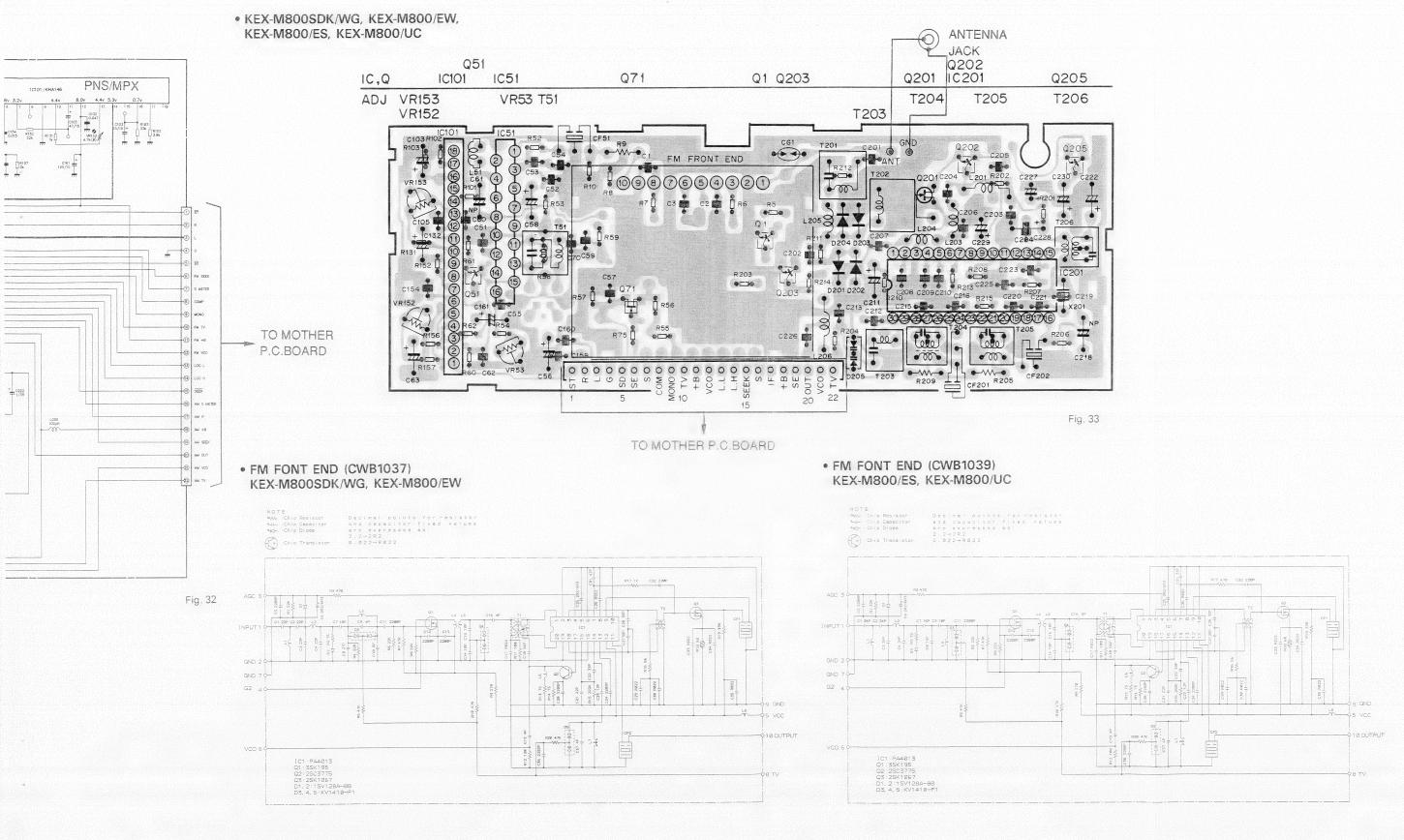
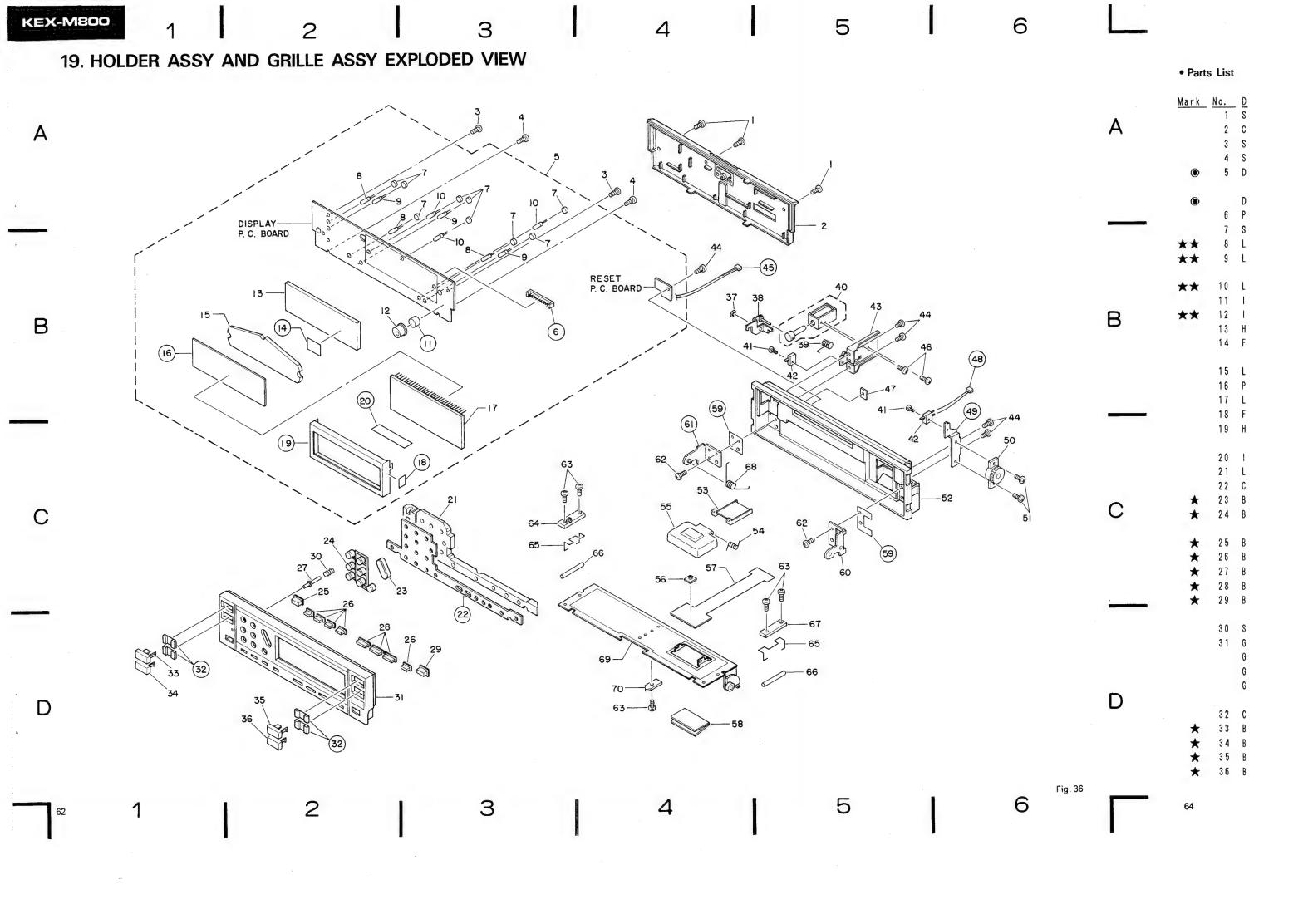


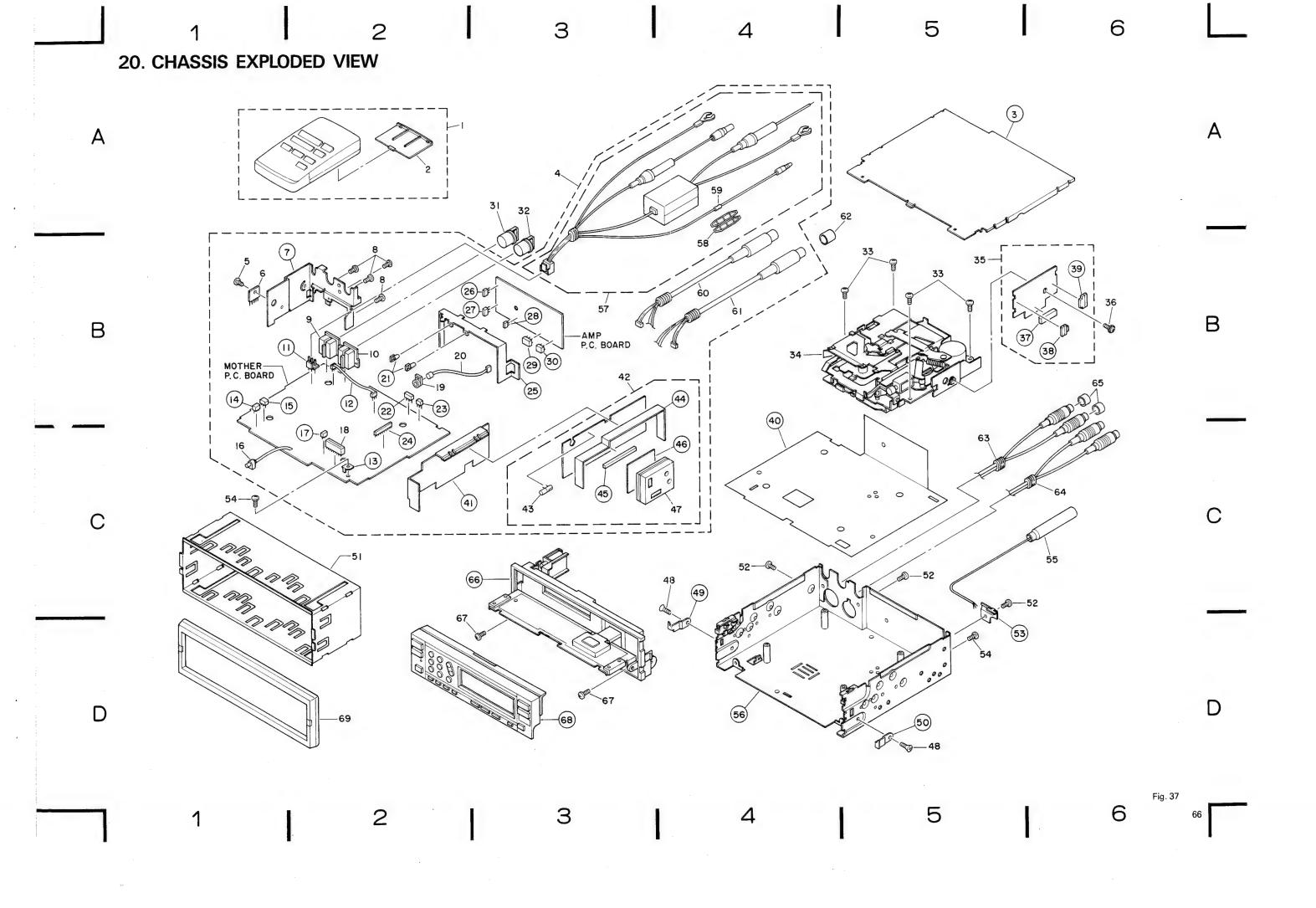
Fig. 34

Fig. 35



• Parts List

		Mark	No.	Description	Part No.	Mark		<u>Description</u>	Part No.
	Α		1	Screw	CBA1126			E Type Washer	YE15FUC
				Cover Unit	CXA2838			Arm Unit	CXA2658
				Screw	BPZ20P060FMC			Spring	CBH1260
The second secon				Screw	BPZ20P080FMC	*		Solenoid	CXP1009
		•	ŋ	Display Unit (WG, EW)	CWS1138		41	Screw	PMZ20P050FN
		•		Display Unit (ES, UC)	CWS1144	**		Switch	CSN1012
			6	Plug			43	Bracket Unit	CXA2657
			7	Spacer	CNW-662		44	Screw	BPZ20P050FM
44		**		Lamp	CEL1013			Connector	
45		**	9	Lamp (WG, EW)	CEL-147		46	Screw	BMZ20P025FN
ARD 40		**	10	Lamp	CEL1112	*	47	Button	CAC2000
37 38			11	Insulator			48	Connector	
44	В	**	12	10	BX-1393		49	Holder	
			13	Housing	CNV2147		50	Damper Unit	CXD-766
41 39 60 46			14	Film			5 1	Screw	PMZ20P030FN
42			15	Lens	CNV2145		5 2	Grille Unit	CXA2901
9-47				Plate			53	Door	CNV2051
				LCD	CAW1042			Spring	CBH1217
59 41 49 44	-			Film				Holder Unit	CXA2902
61				Holder		**		Switch	CSG1033
62			20	Insulator			5.7	P. C. Board	CNP2117
68				Lens	CNV2143			Socket	CKS1664
53				Cushion	01112110			Cushion	OROTOUT
55		*		Button	CAC2058			Holder Unit	CXA2661
	C	*		Button	CAC2051			Holder	ONNEGOT
54 62							•		
		*		Button	CAC2050		62	Screw	BPZ20P060F
57 \ 63		*		Button	CAC2059		63	Screw	CBA1082
56— 60		*		Button	CAC2064		6 4	Holder	CNV2050
		*	28	Button	CAC2060			Spring	CBH1259
	\$	*	29	Button	CAC2063		66	Roller	CLA1706
67			30	Spring	CBH1275		67	Holder	CNV2141
65				Grille Unit (WG)	CXA2833			Spring	CBH1216
				Grille Unit (EW)	CXA2834			Holder Unit	CXA3082
-66				Grille Unit (ES)	CXA2836			Guide	CNV2052
				Grille Unit (UC)	C X A 3 0 2 2				
	D		3.2	Cushion					
— 58		*		Button	CAC2048				
*		-		Button	CAC2049				
		+		Button	CAC2061				
		*		Button	CAC2062				•
Fig. 36			•		01101001				
Fig. 30									





• Parts List

NOTE:

- For your Parts Stock Control, the fast moving items are indicated with the marks.

 ★ ★ and ★.
 - * *: GENERALLY MOVES FASTER THAN *.

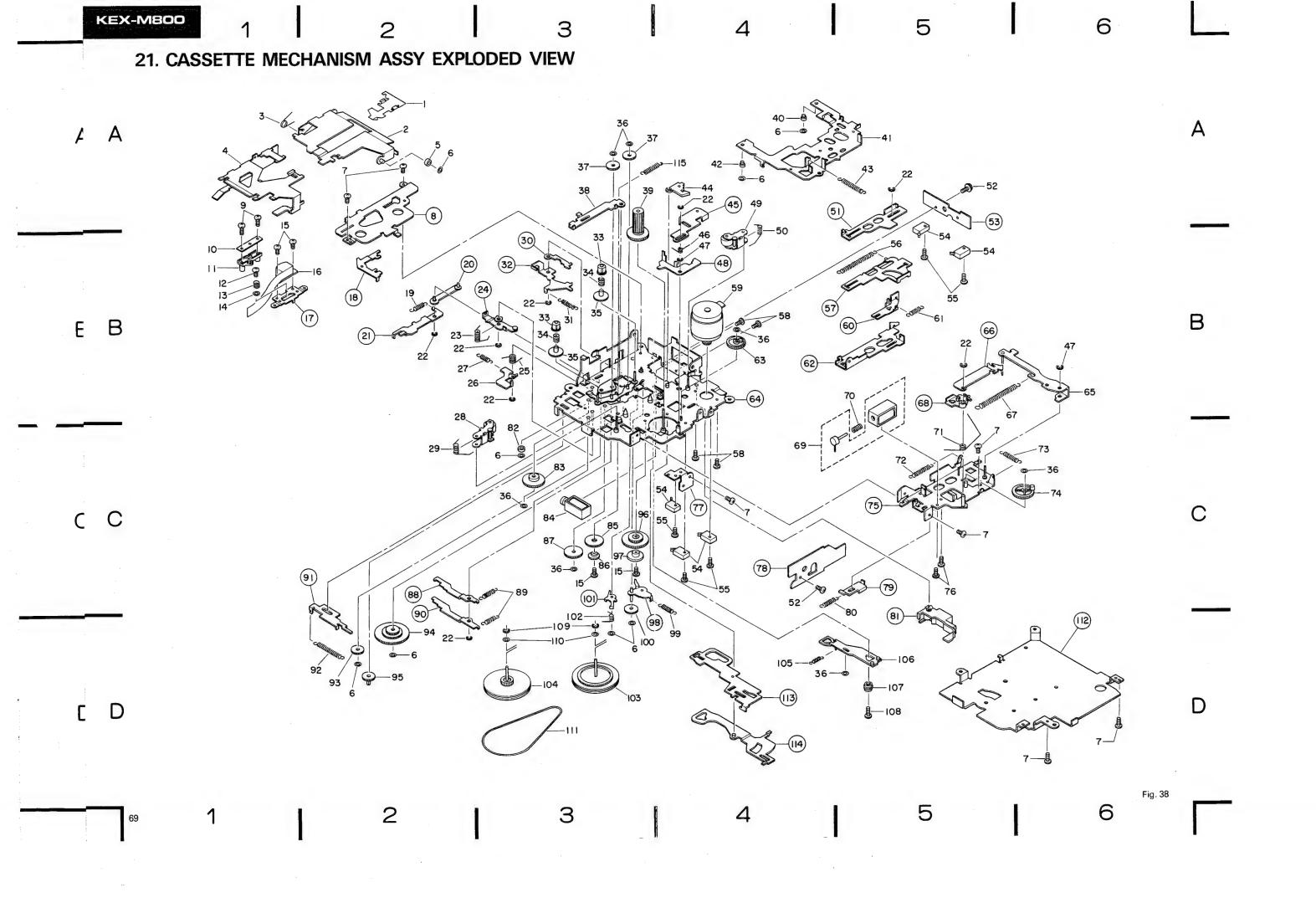
This classification shall be adjusted by each distributor because it depends on model number, temperature, humidity, etc.

- Parts whose parts numbers are omitted are subject to being not supplied.
- Parts marked by "@" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

<u>Mark</u>	No.	Description	Part No.	Mark	No.	Description	Part No.
	1	Remote Control Assy	CXA2860		27	Plug (WG, EW)	
		(WG, EW)				Plug (ES, UC)	
		Remote Control Assy(ES)	CXA2958		28	Connector	
		Remote Control Assy(UC)	CXA3090		29	Connector	
	2	Cover	CZN3224		30	Connector	
	3	Case			3 1	Cap	CNV1468
•	4	Audio Tuner Unit (WG)	CWM1879		32	Cap	CNV1308
•		Audio Tuner Unit (EW)	CWM1881		33	Screw	BMZ26P050FM
•		Audio Tuner Unit(ES)	CWM1996	•	34	Cassette Mechanism Assy	EXK1430
•		Audio Tuner Unit(UC)	CWM1885	•	3 5	Mechanism Control Unit	
	5	Screw	BMZ30P060FMC		36	Screw	CBA1022
**	6	I C	TA8214K		37	Connector	
	7	Holder (WG. EW)			38	Connector	
		Holder (ES, UC)			39	Connector	
	8	Screw	BMZ20P060FMC		40	Insulator	
	9	Connector	CKS1144		41	Shield Plate Unit	
	10	Connector	CKS1156	•	42	FM/AM Tuner Unit (WG, EW)	CWE 1 1 4 6
	11	Plug (WG, EW)		•		FM/AM Tuner Unit (ES)	CWE1147
		Plug (ES, UC)		•		FM/AM Tuner Unit (UC)	CWE1145
	12	Connector			43	Antenna Jack	CKX1010
	13	Holder			44	Chassis	
	14	Plug			45	Plug	
	15	Plug			46	Insulator	
**	16		CEL-148		47	FM Front End (WG, EW)	CWB 1037
	17	Plug				FM Front End(ES,UC)	CWB 1039
			CKS1437		48	Screw	CMZ30P050FMC
	19		CNV2196		49	Holder	
	20	-	CPM1003		50	Holder	
	2 1	Clamper			51	Holder	CNC1484
	22	Plug			52	Screw	BMZ30P050FMC
		Plug			53	Holder	
		Connector			54	Screw	BMZ26P040FMC
	25	Holder			55	Antenna Cable	CDH1093
	26	Plug (WG, EW)			56	Chassis Unit (WG)	
		Plug (ES, UC)				Chassis Unit (EW, ES, UC)	

Mark	No.	Description	Part No.	Mark No.	Description	Part No.
	57	Cord (WG, EW)	CDE2455	6 4	Connector (REAR)	CDE2491
		Cord (ES, UC)	CDE2361		(ES, UC)	
	58	Resistor	RS1/2P102JL	6 5	Cap (ES, UC)	CNW-829
	59	Cap	CNS1472	6 6	Holder Assy	
	60	DIN Connector Cord (REAR) (WG, EW))	CDE2358	67	Screw	BMZ30P060FBK
				6 8	Grille Assy (WG)	
	6 1	DIN Connector Cord	CDE2357		Grille Assy(EW)	
		(FRONT) (WG, EW)			Grille Assy(ES)	
	62	Cap (WG, EW)	CNV1455		Grille Assy (UC)	
	63	Connector (FRONT) (ES, UC)	CDE2360	6 9	Panel	CNS1690

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Parts	List
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ark	No.		Part No.	Mark	No.	Description	Part No.
	1	Lever	ENV1124		41	Head Base Unit	EXA1071
	2	Arm Unit	EXA1081		42	Roller	ELA1147
	3	Spring	EBH1152		43	Spring	EBH1131
	4	Cassette Holder	ENC1165		44	Arm	ENV1121
	5	Roller	ELA1148		45	Lever Unit	
	6	Washer	CBF1037		46	Spring	EBH1153
	7	Screw	BMZ20P030FMC		47	Washer	YE20FUC
	8	Cover			48	Arm	
	9	Screw	EBA1016	**	49	Pinch Roller Unit	EXA1072
	10	Spring	EBL1011		50	Spring	EBH1133
	11	Spacer	ENV1105		51	Lever	
	12	Screw	BMZ20P025FMC		52	Screw	CBA1076
	13	Spring	EBH1145		53	P. C. Board	
•	14	Washer	EBE1005	**	5 4	Switch	CSN1005
	15	Screw	HBA-175		55	Screw	CBA1070
*	16	Head Unit	EXA1088		56	Spring	EBH1147
	17	Arm			57	Lever	
	18	Arm			58	Screw	PMS20P025FMC
	19	Spring	EBH1143	**	59	Motor Unit	EXA1089
	20	Lever Unit			60	Lever	
	2 1	Arm			61	Spring	EBH1149
	22	Washer	YE15FUC		62	Lever	
	23	Spring	EBH1154		63	Gear	ENV1106
	24	Arm Unit			64	Chassis Unit	
	25	Spring	EBH1138		65	Arm Unit	EXA1082
	26	Arm	ENV1122		66	Arm	
_	27	Spring	EBH1142		67	Spring	EBH1146
*	28	Pinch Roller Unit	EXA1073		68	Clamper	
	29	Spring	EBH1134	*	69	Solenoid	EXP1004
	30	Arm			70	Spring	EBH1157
	3 1	Spring	EBH1144		71	Spring	EBH1151
	3 2	Arm			72	Spring	EBH1148
	33	Collar	ENV1117		73	Spring	EBH1135
	3 4	Spring	EBH1155		74	Gear	ENV1118
*	35	Gear	ENV1116		75	Guide Unit	
	3 6	Washer	CBF1038		76	Screw	PMS20P022FUC
	37	Gear	ENV1115		77	Bracket	
	38	Lever Unit	EXA1074		78	P. C. Board	
	39	Gear	ENV1107		79	Arm	
	40	Roller	ELA1146		80	Spring	EBH1158

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	8 1	Clamper			101	Arm	
	82	Roller	ELA1149		102	Spring	EBH1140
	83	Gear	ENV1111		103	Flywheel	ENV1127
*	84	Solenoid	EXP1003		104	Flywheel	ENV1128
	8 5	Gear	ENV1109		105	Spring	EBH1159
	86	Collar	ELA1152		106	Arm	ENV1119
	87	Gear	ENV1110		107	Collar	ELA1150
	88	Arm			108	Screw	HBA-183
	89	Spring	EBH1136		109	E Type Washer	CBG1003
	90	Arm			110	Washer	HBF-179
	91	Lever		**	111	Belt	ENT1011
	92	Spring	EBH1137		112	Cover	
	93	Gear	ENV1112		113	Lever	
	94	Gear Unit	EXA1083		114	Arm Unit	
	95	Gear	ENV1113		115	Spring	EBH1139
	96	Gear	ENV1108				
	97	Collar	ELA1151				
	98	Arm Unit					
	99	Spring	EBH1141				
	100	Gear	ENV1114				



22. ELECTRICAL PARTS LIST

NOTE.

• For your parts Stock Control, the fast moving items are indicated with the marks ** and *.

‡‡ : GENERALLY MOVES FASTER THAN ‡.

This classification shall be adjusted by each distributor because it depends on model number, temperature, humidity, etc.

Parts whose parts numbers are omitted are subject to being not supplied.

The part numbers shown below indicate chip components.

Chip Resistor

RS1/8S \Big J, RS1/10S \Big \Big S
Chip Capacitor (except for COS.....)
CKS....., CCS....., CSZS.....

Audio Tuner Unit

Consists of

Amp P. C. Board

Mother P. C. Board

Unit Number:

Unit Name : Audio Tuner Unit

MISCELLANEOUS

Mark	==:	*****	Circuit	Symbol	& No.	===	= Part Na	ame P	art No.	Mark	==	===== Circuit S	ymbol & No.	==== Part	Name	Part No.
**	10	381							A 1 2 0 8 8 A N T			708				28C1545F
**								K	HA159A	**	Q	710 803				DTA114TS
		501 (WG)						K	HA142	**	Q	750 764				DTC144TS
		502 (WG)						C	WW 1 0 9 1	**	Q	751 759 770				UN4122
		503						Ł	C7218	**	Q	752 (WG, EW, UC) 758	(WG, EW, UC)			DTC114ES
**	10	504						Т	C4069UBP	**	Q	752 (ES) 758 (ES)				UN4211
**								P	M2002	**	Q	753 757 762				2881243
**	10	701						Р	D4188	**	Q	756 (WG. EW)				UN4122
		702						S	-8053ANO	**	Q	760 763 801				DTC143TS
**	10	703						ī	A 8 2 1 4 K	**	0	765 766				2SD1859
**	û	301 302						D	TC143ES	**	Q	767 (WG, EW)				DTC143TS
	_	451 452		CH	nip Tr	ansis	tor	2	SC2712	**	Q	768 (WG, EW) 769 (WG	, EW)			2581243
**	Q.	501 (WG)						2	SC2458	**	Q	771				DTA124ES
		502 503	504 513	514 601	602	603		2	SC2458		_	773				288945
	-	505						2	SK330	**	Q	851 852 853 854				2 S A 1 O 4 8
**	Q	506 507						2	SA1150			855 856 857 858				DTC343TK
**	Q	508						U	N 4 1 2 2			859 860	Chip Tra	nsistor		2802712
**	Q	510 (EW.	UC)					D	TC114ES	*	D	451 452				RD5R1JSB2
**	Q	510 (ES)	511 (ES)	604 (ES)				U	N 4 2 1 1		-	501 (WG) 502 (WG)				155133
**	Q	511 (WG.	EW, UC) 6	04 (WG, EY	v. uc)			D	TC114ES	*	D	503 504 505 506 5	07 601 604 6	05		188133
**	0	512 (WG.	EW)					D	TC124ES	*	D	509				RD2R7ESB1
**	ā	551						2	SK184			551 552 606 607				188133
**	_	552		C	ip Tr	ansis	tor	2	SC2712	*		651				ERC05-10B
**	-							D	TC343TS	*		701 (ES)				188133
**	a	611						D	TA114TS	*	D	703 704 708 709 7	57 802 803			188133
**	Q	701						2	SA1048			706 (WG. UC)				188133
	-	702 705	754 755	761 772	802			2	SC2458			707 (WG)				188133
	-	704 (WG.						D	TC124ES			750 (WG, EW)				RD7R5JSB2
		704 (ES)						U	N 4 2 1 2			751 752				RD7R5JSB2
	_	706 707						D	TC314TS	*	D	753 754 755				ERA15-02 ∨ H

X-M800

			Part No. M			
ŧ D	756		RD5R6JSB2	1	R 513 514 722 753	RS1/10S22
k D	759		RD6R2JSB3	1	R 516	RS1/10S39
ŧ D	760		RD9R1JSB3	1	R 517 518 519 520 619 620 621 622 623 624	RS1/10S47
≱ D	761 (ES. UC)		ERA15-02VH		R 521 (WG) 527 (WG) 545 (WG)	RS1/10847
	801		RD8R2JSB2		R 522	RS1/10S47
	054 050	Chin Dinda	MA 1 5 3 WA - MM			
	851 852	Chip Diode	MA151WA-MN		R 523 537 538 625	RS1/10S10
	853 854	Chip Diode	MA3075M		R 524 541 553 556 557 558 562 572	RS1/10S47
	501	Ferri-Inductor	LAUTOTK		R 525 526 534	RS1/10S47
	502	Ferri-Inductor	LAU220K	1	R 529 530	RS1/10S10
L	503	Inductor	LAUR22M	1	R 531 532	RS1/10S47
L	504 505 506	Ferri-Inductor	LAUIROM	1	R 533 (WG)	RS1/10S47
	701	Choke Coil	LAU2R7M		R 543	RS1/10S0R
	750 751 752	Inductor	LAU150K		R 544 (WG)	RS1/10547
	753 (WG, EW)	Inductor	LAU150K		R 551 561 565 674	
	301 302	Coil	CTF1072		R 552	RS1/10S10: RS1/10S47
						,,
	G 701	Trimmer	CCG1002		R 554 555	RS1/10S15
	B 701		CWW1280		R 559	RS1/10S68
	B 702		CWW 1 2 9 0		R 560	RS1/10S68
- 1	8 703		CWW 1 2 9 3		R 563	RS1/10S683
1	B 704		CWW1276	F	R 564	RS1/10S47
i	B 705		CWW1185	F	R 566	RS1/10S222
	8 706		CWW1128		R 567 (WG. EW) 568 (WG. EW) 569 (WG. EW) 570 (WG. EW)	
	B 707		CWW1291		R 567 (ES, UC) 568 (ES, UC) 569 (ES, UC) 570 (ES, UC)	•
			CWW1292		R 571	RS1/10S15
	B 708 i 750	Surge Absorber	ERZ-C07DK220		R 573	RS1/10S15
						, , , , , , , , , , , , , , , , , ,
	501	Crystal Resonator	CSS1030		R 575	RS1/10S18
Х	(502 (WG)	Ceramic Resonator	CS\$1019	A	R 576	RS1/10S56
Х	701	Crystal Resonator	CSS1023		8 603 604 613 614	RS1/10S10
X	702	Buzzer	CPV1006	R	R 605 606	RS1/10S22
1	IL 701	Lamp 14V 40mA	CEL-148	R	8 615 616	RS1/10S122
	/D 004 000	Semi-fixed 33kΩ(B)	CCP-381	R	8 617 618	DC1/10C18/
	/R 301 302				R 701	RS1/10S183
	/R 551 552	Semi-fixed 10kΩ (B)	VRTB6VS103			RS1/10S153
М	A I C 551	Microphone Assy	CPM1003		702 723 738 778 779 803	RS1/10S104
		FM/AM Tuner Unit(WG, EW) FM/AM Tuner Unit(ES)			1 703 704 719 720 721 734 1 705 706 708 712 713 714 715 771	RD1/4PS681 RS1/10S102
		, , , , , , , , , , , , , , , , , , , ,				11077 100102
		FM/AM Tuner Unit(UC)			707 (WG)	RS1/10S102
					707 (EW, ES, UC)	R\$1/10\$103
SIST	TORS				709.	RS1/10S474
				R	710 731	RD1/4PS471
k =	======= Circuit Sy	ymbol & No. ==== Part Name	Part No.	R	711 759 762 765 801	RS1/10S103
		1kΩ (1/6W)	CCN1015	R	716 717	DC1/1AC601
R		3. 3kΩ (1/6W)	CCN1016		718	RS1/10S681
			CCN1018		724	RS1/10S682
R		20kΩ (1/6W)	RS1/10S101J		725 754 767	RS1/10S124
R			RS1/10S332J		726 727 728 729 751	RD1/4PS102
- "	1 300		NO 17 10 33 3 2 3	"	110 121 110 119 101	RD1/4PS103
R			R\$1/10\$472J		132	RS1/10S472
R	310		R\$1/10\$682J		733 735 766 768 804	RD1/4PS473
R	311		RS1/8S683J		736 (WG. EW)	RS1/10S0R0
R	₹ 312		R\$1/10\$683J	R	737 (ES, UC)	RS1/10S0R0
R	R 451 452		RS1/10S222J	R	739	RS1/10S103
R	R 453 454		RS1/10S563J	R	740	RS1P101JL
R		FW)	RS1/1080R0J		742	
R			RS1/108472J		752	RS1/10S473
						RD1/4PS222
R		00)	RS1/10S332J RS1/10S681J		755 (WG, EW) 756 (WG, EW) 788 (WG, EW) 757 758 761 763 764	RS1/10S472 RS1/10S473
						1/ 1007/0
R		2	RS1/10S102J		760	RN1/2P471J
R			R\$1/10\$152J		769	RS1P100JL
R			RS1/10S222J		772 (WG. EW) 773 (WG. EW) 775 (WG. EW)	RD1/4PS102
-	8 509 510 511 515 53	9 630	RS1/10S222J	R	772 (ES, UC)	RD1/4PSORO
R R	·		RS1/10S472J		774 (ES, UC)	ND 17 41 30 NO

		Circuit	Symbol &	No. ===	== Part Name	Part No.	Mark :	====	=====	Gircuit 8	γπουι α	NO. ==	=== Par	t Name	Part No.
ĸ	776 (WG, E									CA4 EAC					CKSQYF473
	777 787					RD1/4PS472JL	1	C E	31 702	704					CKSQYB471
	780 781					RS1/10S273J		c s	51 552	553 568					CEA470M16
	782 783					RS1/10S393J		C F	54 566						CEA220M6R
R	784 785	859 860	861 862			RD1/4PS223JL RD1/4PS472JL RS1/10S273J RS1/10S393J RS1/10S473J		C S	55 556	i					CEA100M10
						RS1/8S102J RD1/4PS472JL RS1/10S472J RS1/10S471J RS1/10S472J		^ .	: 6 7						CQMA823J5
R	186					RS1/8S102J RD1/4PS472JL			101						
R	789 (ES. I	nc)				RD1/4PS4/2JL				1					CEAR68M50
R	790 (ES. 1	UC) 794 (E	ES, UC)			R\$1/10\$472J		C !	559						CEA220M10
R	791 (ES. !	UC)				RS1/10S471J			560 562	2					CEA100M16
R	792 793					RS1/10S472J		C !	561						CEA470M6R
		853 854						c !	564						CEA470M16
R	855 (WG	FW) 856 (V	WG. FW) 857	7 (WG. EW)	858 (WG. EW)	RS1/10S393J		C :	565 (WG.	EW)					CEA100M16
					858 (ES. UC)	R\$1/10\$123J			565 (ES.						CEA220M6R
					866 (WG. EW)	RS1/10S102J		C		,					CEA101M10
					866 (ES. UC)	RS1/10S820J			601 602	2					CEAR33M50
															OCAADAHEO
					870 (WG. EW) 870 (ES. UC)	RS1/10S471J RS1/10S561J				4 713 714 6 711 712					CEA2R2M50 CEA010M50
								C							CEA221M10
					874 (WG. EW)	RS1/10S471J				216 761 7	E0 757 '	750 765			CKSQYF473
				3 (ES, UC)	874 (ES. UC)	R\$1/108391J				3 715 751 7	52 151 1	109 100			
R	875 876	877 878				R\$1/10\$223J		С	705						CEA2R2M50
R	879 880					RS1/10S102J									ссѕосназо
R	881 (WG.	EW)				RS1/10S103J		C	707						CKSYF104Z
•								C	708 710	0 716 717					CEA470M16
ACITO	290							C	700						CEA221M10
NG FIC	JNO								750 (WG,	EW)					CKSQYB223
k ===	=====	Circuit	Symbol &	No. ==	== Part Name	Part No.									
															CEA470M16
C	301		470	μ F/10V		CCH1019		С	754						CKSYB103K
C	302		470	μF/6.3V		CCH1019 CCH1013		C	755						CEA332M16
С	303 304	305 306				CEAR68M50LS2		C	756 758	8 768					CEA220M16
С	307 308	309 310				CEA010M50LS2		C	763 766	6					CEA101M10
	311 312					CEA2R2M50LS2									
v	011 012	010 014				VENTERIEM VVCVC		С	764						CEA470M16
^	215 216					CEA4R7M35LS		C							CCG-081
	315 316							C							CEA010M50
	317 318	102				CEA100M16LS2				EW) 852 (WG	EW) 8 E (a fwa rwi		WO EWY	CEA4R7M35
	319					CEA220M16LS									
	320 321 324 325					CQPA103G2A CKSQYB183J50		C .	851 (65.	UC) 852 (ES	. 00) 853	3 (E3. UC)) 854(1	25. 00)	CEA100M16
v	324 023	020 021				0.000.00000		C	855 (WG.	EW) 856 (WG	. EW) 85	7 (WG. EW)) 858 (Y	NG, EW)	CEA2R2M50
•	328 329					CKSQYB823J25				UC) 856 (ES					CEA4R7M35
										0 861 862	,	. (20, 00)	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.0, 00,	CKCYB102K
	451					CEA470M6R3LS									
	452					CEA470M15L2			863 (WG.						CKCYB102K
C	453 454					CEA331M6R3L2 CEA221M10L2		С	864 (WG.	EW)					CKSQYB102
·	455					OCH ZZ TIM TOCZ		C	865 866	6					CEA330M10
C	501 (WG)					CEAR33M50LS2		C	867 868	8					CEA101M10
C	502 (WG.	EW)				CEAR47M50LS2									
	503 (WG)					CEA4R7M35LS									
	504 (WG)					CEA100M16LS2									
							lini+	N	mber :						
С	505 (WG)					CEA101M10LS	Unit			FM/AM Tune	r Unit				
	506 (WG)	507 (WG)				CEA470M16LS									
	508		4. 7	μ F/16V		CCH1005	MISCE	LLA	NEOUS						
C	509 (WG)					CKSQYB103K50									
		522				CKSQYB103K50	Mark	===	=====	Circuit S	ymbol &	No. =:	=== Par	rt Name	Part No.
C	510 514					CKSYF104Z25									
C C	510 514 513 720					VAVIIIV411V	**	10	51						LA11408
C C	510 514 513 720					CKSQYB223K50	**								KHA146
C C	513 720						**								PA4010
C C C	513 720 515	E97 F00	E26 E00 -	20 704		PACULTAGET	77		- V 1						
C C C	513 720 515 516 517	527 532	536 538 5	39 769		CKSQYF473Z50	4.4	Λ.	1 000	2 205	AL:	. T			
C C C C C	513 720 515 516 517 518 (WG)	527 532	536 538 5	39 769		CQEA683J50	**		1 203			p Transi			DTC124EK
C C C C C C	513 720 515 516 517 518 (WG) 519		536 538 5	39 769		CQEA683J50 CCSQCH180J50	**		1 203 51 202			p Transi p Transi			
C C C C C	513 720 515 516 517 518 (WG)	527 532	536 538 5	539 769		CQEA683J50	**	Q			Chip	p Transi	istor		DTC124EK 2SC2712
C C C C C	513 720 515 516 517 518 (WG) 519		536 538 5	539 769		CQEA683J50 CCSQCH180J50	**	Q Q	51 202 71		Chip		istor		DTC124EK 2SC2712 2SJ106
C C C C C C	513 720 515 516 517 518 (WG) 519 520		536 538 5	539 769		CQEA683J50 CCSQCH180J50	** ** **	Q Q	51 202 71 201	2	Chip	p Transi	istor		DTC124EK 2SC2712 2SJ106 2SK435
C C C C C	513 720 515 516 517 518 (WG) 519 520		536 538 5	539 769		CQEA683J50 CCSQCH180J50	** ** ** *	Q Q	51 202 71 201 201 202	2 203 204	Chip	p Transi p Transi	istor	ı i ode	DTC124EK 2SC2712 2SJ106



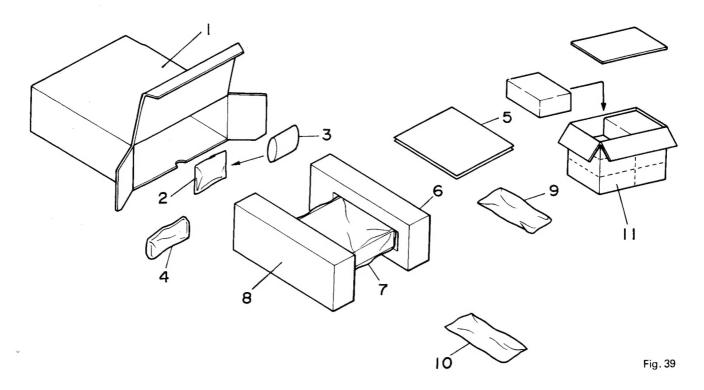
ark =			ol & No. ==== Part Nam						Circ	uit	Symbo	o I &	No.	====	Part N	a m e	Part No.
 L	20	1 (WG, EW)	 Inductor	CTF1084		c	57										CKSYB683K25
L	20	1 (ES, UC)	Ferri-Inductor	CTF1026		С	58										CEA010M50LS
ı	20	3	ferri-Inductor	LAU220K		C.	60										CCSQSL101J5
Ĺ	20	14	Ferri-Inductor	LAU470K		C	61										CEA4R7M16NP
	20		Ferri-Inductor	LAU4R7K		С	70										CCSQCH200J5
1	20	16	Ferri-Inductor	CTF-157		С	103										CEA150M16LS
	5		Coil	CTC1029			105	224									CEA470M16LS
	20		Coil	CTB1020		C											CKSQYB153K2
	20		Coil	CTB1004				(WG I	EW) 1	60 /W	G FW	١.					CKSQYB183K2
	20	-	Coil	CTB1044					UC) 1								CKSQYB393K2
			0-11	ATE 1 A A E		c	161										054404404
	20		Coil	CTE1025													CEA101M10LS
	20		Coil	CTE 1026			202										CKSQYB332K
Ì	20		Coil	CTE1027				208	210								CKSQYB223K2
	CG CF 5		Surge Protector Ceramic Filter	DSP-201M-S00E CTF-182	3	C	205	20.7									CCSQCH220J5
,	,r o	0 1	Ceramic Filter	011-102		·	200	201									CCSQCH820J5
(CF 20	01	Ceramic filter	CTF1041		C											CEA2R2M50LS
				(CTF1027)													CCSQCH470J5
(CF 20	02	Filter	CTF1085		C											CEA2R2M35NP
				(CTF-100)		С											CCSQCH430J5
)	20	0 1	Crystal Resonator	CSS1014		С	221										CCSQCH100D5
** \	/R 5	53	Semi-fixed 150kΩ(B)	VRTB4VS154		С	222										CSZAO10K35L
	VR 15		Semi-fixed 6.8kΩ(B)	VRTB4VS682		С	225										CKSQYB333K2
** 1			Semi-fixed 4.7kΩ(B)	VRTB4VS472		С											CKSQYF473Z5
**	V N 13	J J				C											CEA4R7M35LS
			FM Front End (WG, EW)	CWB 1037		C											
			FM Front End (ES, UC)	CWB 1039		·	223									,	CEA470M16LS
ESIST	TOR S					С	230										CEA220M16LS
		•	ol & No. ==== Part Nam		0 - 1 4	м											
			ol & No. ==== Part Nam		Unit				de c ha	nism	Cont	tral	Unit				
	₹	5 58 210		RS1/10S682J					decha	nism	Cont	trol	Unit				
i	? ?	5 58 210 6 131		RS1/10S682J RS1/10S102J	Unit	Na	m e	: N	de c h a	nism	Cont	trol	Unit				
i	? ?	5 58 210 6 131 7 152		R\$1/10\$682J R\$1/10\$102J R\$1/10\$223J		Na	m e	: N	de c ha	nism	Cont	trol	Unit				
i	} } }	5 58 210 6 131 7 152 8 10		RS1/10S682J RS1/10S102J RS1/10S223J RS1/10S152J	Unit	Na ELLA	m e N E O U	: N							D H		
i	} } }	5 58 210 6 131 7 152		R\$1/10\$682J R\$1/10\$102J R\$1/10\$223J	Unit	Na ELLA	m e N E O U	: N			Symbo	ol &	No.				Part No.
i	? ? ?	5 58 210 6 131 7 152 8 10		RS1/10S682J RS1/10S102J RS1/10S223J RS1/10S152J	Unit	Na ELLA	m e N E O U	: N			Symbo	ol &	No.				
: ; ;	? ? ? ?	5 58 210 6 131 7 152 8 10 9		R\$1/10\$682J R\$1/10\$102J R\$1/10\$102J R\$1/10\$223J R\$1/10\$152J RD1/4P\$151JL	Unit MISC Mark	Na ELLA === IC	m e N E O U	: N			Symbo	ol & 	No.				
·	3 3 3 3 4 5 5	5 58 210 6 131 7 152 8 10 9		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J	Unit MISC Mark	Na ELLA === IC Q	m e N E O U = = = = 1	: N			Symbo	ol &	No. > Trai		 r	! !	BA3430FS
; ; ; ;	3 3 3 5 3 5 3 5 3 5 5 5 5 5 5 5 5 5 5 5	5 58 210 6 131 7 152 8 10 9		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S333J	Unit MISC Mark **	Na ELLA === IC Q	m e N E O U	: N			Symbo	ol & Chip Chip	No. Trai	nsisto	 r r	! : :	BA3430FS 2SC4116 DTC143ZU
; ; ; ;	3 3 4 3 5 3 5 3 5 3 5 3 5 5 3 5 5 5 5 5	5 58 210 6 131 7 152 8 10 9		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J	MISC Mark ** **	Na ELLA === IC Q Q	m e N E O U = = = = 1 1 2 3	: N			Symbo	ol & Chip	No. Trai Trai	 nsisto	 r r	 	BA3430FS 2SC4116
; ; ; ;	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 54 103 55 60 215		RS1/10S682J RS1/10S102J RS1/10S102J RS1/10S223J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S333J RS1/10S123J	Misc Mark ** ** ** **	Na ELLA === IC Q Q Q	M E O U	: N			Symbo	Ol & Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto	r r r r		BA3430FS 2SC4116 DTC1437U DTBL137P 2SC3295
	3 3 3 5 3 5 3 5 3 5 3 5 3 5 5 3 5 5 3 5	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 55 60 215 56		RS1/10S682J RS1/10S102J RS1/10S102J RS1/10S223J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S123J	MISC Mark ** ** **	Na ELLA === IC Q Q Q	M E O U	: N			Symbo	Ol & Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto	r r r r		BA3430FS 2SC4116 DTC143ZU DTBL13ZP
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 54 103 55 60 215 56 59 (WG, EW, ES)		RS1/10S682J RS1/10S102J RS1/10S223J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S123J RS1/10S183J RS1/10S183J	Unit MiSC Mark ** ** ** **	Na ELLA === IC Q Q Q	N E O U	: N			Symbo	Ol & Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto	r r r r		BA3430FS 2SC4116 DTC1437U DTBL137P 2SC3295
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 59 (WG, EW, ES) 69 (UC) 61 62 101		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S123J RS1/10S183J RS1/10S183J RS1/10S183J RS1/10S682J RS1/10S682J	Misc Mark ** ** ** **	Na ELLA === IC Q Q Q	N E O U	: N			Symbo	Ol & Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto	r r r r		BA3430FS 2SC4116 DTC143ZU DTBL13ZP 2SC3295
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 59 (WG, EW, ES) 59 (UC) 61 62 101		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S182J RS1/10S682J RS1/10S472J	MISC Mark ** ** ** RESI:	Na ELLA === IC Q Q Q Q	NEOU ===== 1 1 2 3 4 5 5 \$: N	Circ	uit 	Symbo	ol & Chip Chip Chip Chip	No. Trai Trai Trai Trai	nsisto nsisto nsisto nsisto	 r r r	1	BA3430FS 2SC4116 DTC1437U DTBL137P 2SC3295
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 59 (WG, EW, ES) 59 (UC) 61 62 101		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S123J RS1/10S183J RS1/10S183J RS1/10S183J RS1/10S682J RS1/10S682J	## ## ## ## ## ## ## ## ## ## ## ## ##	Na ELLA IC Q Q Q Q	NEOU	: N	Circ	uit 	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	i i i i	BA3430FS 2SC4116 DTC1437U DTBL137P 2SC3295 2SB1441JU
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 59 (WG, EW, ES) 59 (UC) 61 62 101		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S182J RS1/10S682J RS1/10S472J	Mark Mark ** ** ** RESI:	Na ELLA IC Q Q Q Q STOR	NEOU ===== 1 1 1 2 3 4 5 5 S ===== 1	: N	Circ	uit	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame f	BA3430FS 2SC4116 DTC1437U DTBL137P 2SC3295 2SB1441JU
	3 2 3 2 3 3 5 5 5 5 5 6 7 7 3 2 3 10 10 10 10 10 10 10 10 10 10 10 10 10	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 55 60 215 56 59 (WG, EW, ES) 59 (UC) 61 62 101		RS1/10S682J RS1/10S102J RS1/10S123J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J	Unit MISC Mark ** ** ** RESI:	Na ELLA TIC Q Q Q Q R STOR	NEOU ===== 1 1 2 3 4 5 5 S ===== 1 5	: N	Circ	uit	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame f	BA3430FS 2SC4116 DTC1437U DTBL137P 2SC3295 2SB1441JU
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 54 103 55 60 215 56 59 (WG, EW, ES) 59 (UC) 61 62 101 75 56 (WG, EW) 157 (WG, EW) 56 (ES, UC) 157 (ES, UC)		RS1/10S682J RS1/10S102J RS1/10S123J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J	Unit MISC Mark ** ** ** RESI:	Na ELLA TIC Q Q Q Q R STOR	NEOU ===== 1 1 2 3 4 5 5 S ===== 1 5	: N	Circ	uit	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame F	BA3430FS 2SC4116 DTC1437U DTBL137P 2SC3295 2SB1441JU Part No.
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 59 (WG. EW. ES) 69 (UC) 61 62 101 75 92 66 (WG. EW) 157 (WG. EW) 66 (ES. UC) 157 (ES. UC)		RS1/10S682J RS1/10S102J RS1/10S123J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J	Unit MISC Mark ** ** ** RESI:	Na ELLA TIC Q Q Q Q R STOR	NEOU ===== 1 1 2 3 4 5 5 S ===== 1 5	: N	Circ	uit	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame F	BA3430FS 28C4116 DTC1437U DTBL137P 28C3295 28B1441JU Part No.
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 59 (WG. EW. ES) 69 (UC) 61 62 101 75 92 66 (WG. EW) 157 (WG. EW) 66 (ES. UC) 157 (ES. UC)		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S474J RS1/10S32J RS1/10S332J RS1/10S332J RS1/10S332J RS1/10S202J RS1/10S202J RS1/10S220J	Mark Mark ** ** ** RESI:	Na ELLA IC Q Q Q Q Q Q	me NEOU ===== 1 1 2 3 4 5 5 S ===== 1 5 7 9	: N	Circ	uit	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	a me F	BA3430FS 2SC4116 DTC1437U DTBL137P 2SC3295
	3 3 3 3 3 5 5 5 5 5 5 5 5 6 7 7 7 8 3 10 10 11 11 11 11 11 11 11 11 11 11 11	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 55 60 215 66 59 (WG, EW, ES) 59 (UC) 11 62 101 75 502 66 (ES, UC) 157 (WG, EW) 66 (ES, UC) 157 (ES, UC)		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S472J RS1/10S322J RS1/10S332J RS1/10S332J RS1/10S222J	Unit MISC Mark ** ** ** ** RESI:	Na ELLA === IC Q Q Q Q Q R R R R	me NEOU 1 1 2 3 4 5 S 1 5 7 9 11	: N	Circ	uit	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame f	BA3430FS 2SC4116 DTC143ZU DTBL13ZP 2SC3295 2SB1441JU Part No. RS1/10S153J RS1/10S334J RS1/10S183J
	3 3 3 3 5 5 5 5 5 5 5 5 5 6 7 7 7 7 8 8 8 8 9 8 9 8 9 8 9 9 9 9 9 9	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 55 60 215 66 59 (WG, EW, ES) 59 (UC) 61 62 101 75 66 (ES, UC) 157 (WG, EW) 66 (ES, UC) 157 (ES, UC)		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S473J RS1/10S473J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S682J RS1/10S474J RS1/10S322J RS1/10S322J RS1/10S222J RS1/10S22J RS1/10S222J	Unit MISC Mark ** ** ** RESI:	Na ELLA === IC Q Q Q Q Q R R R R R	me NEOU 1 1 2 3 4 5 S 1 5 7 9 11	: N	Circ	uit	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame f	BA3430FS 2SC4116 DTC143ZU DTBL13ZP 2SC3295 2SB1441JU Part No. RS1/10S153J RS1/10S183J RS1/10S334J RS1/10S333J RS1/10S270J
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 55 60 215 56 59 (WG, EW, ES) 59 (UC) 61 62 101 75 66 (ES, UC) 157 (WG, EW) 66 (ES, UC) 157 (ES, UC) 11 12 13 14 15 209		RS1/10S682J RS1/10S102J RS1/10S102J RS1/10S223J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S222J RS1/10S222J RS1/10S222J	Unit MISC Mark ** ** ** ** RESI:	Na ELLA IC Q Q Q Q Q Q R R R R R R	me NEOU 1 1 2 3 4 5 S 1 5 7 9 11 14	: N	Circ	uit	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame F F R R R	BA3430FS 2SC4116 DTC145ZU DTBL13ZP 2SC3295 2SB1441JU Part No.
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 55 60 215 66 59 (WG, EW, ES) 59 (UC) 61 62 101 75 66 (ES, UC) 157 (WG, EW) 66 (ES, UC) 157 (ES, UC)		RS1/10S682J RS1/10S102J RS1/10S102J RS1/10S223J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S222J RS1/10S222J RS1/10S222J	Unit MISC Mark ** ** ** RESI:	Na ELLA IC Q Q Q Q Q STOR R R R R R R R R R R R R	me NEOU ==== 1 1 2 3 4 5 S ==== 1 5 7 9 11 14 15 16	: N	Circ	uit	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame F	Part No. 281/108153J 881/108153J 881/108183J 881/108183J 881/108183J 881/108270J 881/10823J 881/108270J
	3 2 3 3 5 5 5 5 5 5 6 7 7 7 3 100 6 7 8 2 10 7 8	5 58 210 6 131 7 152 8 10 9 9 52 53 57 204 213 64 103 65 60 215 66 69 (WG. EW. ES) 69 (UC) 61 62 101 75 92 66 (WG. EW) 157 (WG. EW) 66 (ES. UC) 157 (ES. UC) 91 92 93 206 214		RS1/10S682J RS1/10S102J RS1/10S102J RS1/10S223J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S222J RS1/10S222J RS1/10S222J	Unit MISC Mark ** ** ** RESI:	Na ELLA E E E E E E E E E E E E E E E E E	me NEOU ==== 1 1 2 3 4 5 S ==== 1 5 7 9 11 14 15 16	: N	Circ	uit	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame F F F R R R R R R R	BA3430FS 2SC4116 DTC145ZU DTBL13ZP 2SC3295 2SB1441JU Part No.
F F F F F F F F F F F F F F F F F F F	3 2 3 3 5 5 3 5 5 3 6 6 7 7 7 8 2 10 8 2 20 8 2 20 8 2 20 8 2 20 8 2 20 8 2 20 8 2 20 8 2 20 8 2 20 8 2 20 8 2 20	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 69 (WG, EW, ES) 69 (UC) 61 62 101 75 102 66 (ES, UC) 157 (ES, UC) 11 102 103 206 214 105 209 107 108 211 212		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S333J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S472J RS1/10S32J RS1/10S32J RS1/10S202J RS1/10S222J RS1/10S222J RS1/10S822J RS1/10S822J	Unit MISC Mark ** ** ** ** RESI:	Na ELLA IC QQ QQ Q Q STOR RR RR RR RR	me NEOU ===== 1 1 2 3 4 5 S ===== 1 5 7 9 11 14 15 16 17 18	: N	Circ 3 13	uit uit 4	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame f	PA3430FS 28C4116 DTC1437U DTBL132P 28C3295 28B1441JU Part Mo. 28S1/108153J 18S1/108181J 18S1/108334J 18S1/108334J 18S1/108334J 18S1/108334J 18S1/108343J 18S1/108270J 18S1/108270J 18S1/108270J
	3 3 3 5 3 3 3 5 3 3 3 3 3 3 3 3 3 3 3 3	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 659 (WG, EW, ES) 69 (UC) 61 62 101 75 66 (ES, UC) 157 (ES, UC) 61 62 101 75 76 (ES, UC) 77 78 78 78 78 78 78 78 78 78 78 78 78		RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S473J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S474J RS1/10S322J RS1/10S202J RS1/10S22J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S822J RS1/10S822J RS1/10S822J RS1/10S822J RS1/10S322J	Unit MISC Mark ** ** ** ** RESI:	Na ELLA ELLA GO Q Q Q Q Q Q Q Q R R R R R R R R R R R	me NEOU ==== 1 1 2 3 4 5 S ==== 1 5 7 9 11 14 15 16 17 18 20	: N	Circ	uit 4	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame f	Part No. Part N
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 659 (WG, EW, ES) 69 (UC) 61 62 101 75 66 (ES, UC) 157 (ES, UC) 61 62 101 75 76 (ES, UC) 77 78 78 78 78 78 78 78 78 78 78 78 78	1 & No. ==== Part Name	RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S473J RS1/10S473J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S474J RS1/10S322J RS1/10S202J RS1/10S22J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S822J RS1/10S822J RS1/10S822J RS1/10S822J RS1/10S322J	Unit MISC Mark ** ** ** ** RESI:	Na ELLA ELLA GO Q Q Q Q Q Q Q Q R R R R R R R R R R R	me NEOU ==== 1 1 2 3 4 5 S ==== 1 5 7 9 11 14 15 16 17 18 20	: N	Circ 3 13	uit 4	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame f	BA3430FS 2SC4116 DTC143ZU DTBL13ZP 2SC3295 2SB1441JU Part No. 2ST1/10S153J 2ST1/10S181J 2ST1/10S183J 2ST1/10S183J 2ST1/10S2Z3J 2ST1/10S333J 2ST1/10S2Z4J 2ST1/10S2Z4J 2ST1/10S12Z4J
	3 3 3 5 5 6 3 7 7 3 10 10 10 10 10 10 10 10 10 10 10 10 10	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 (ES, UC) 15 62 101 15 66 (ES, UC) 157 (WG, EW) 66 (ES, UC) 157 (ES, UC) 101 102 103 206 214 105 209 107 108 211 212	1 & No. ==== Part Name	RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S473J RS1/10S473J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S474J RS1/10S322J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S881J RS1/10S22J RS1/10S22J RS1/10S82J RS1/10S881J RS1/10S22J RS1/10S831J RS1/10S22J RS1/10S82J RS1/10S831J	Unit MISC Mark ** ** ** ** RESI:	Na ELLA ELLA GO Q Q Q Q Q Q Q Q R R R R R R R R R R R	me NEOU ==== 1 1 2 3 4 5 S ==== 1 5 7 9 11 14 15 16 17 18 20	: N	Circ 3 13	uit 4	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame f	BA3430FS 2SC4116 DTC1437U DTBL137P 2SC3295 2SB1441JU Part No. 2ST1/10S153J 2ST1/10S181J 2ST1/10S183J 2ST1/10S183J 2ST1/10S270J 2ST1/10S233J 2ST1/10S233J 2ST1/10S233J 2ST1/10S233J 2ST1/10S23J 2ST1/10S234J
	3	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 69 (WG, EW, ES) 69 (UC) 61 62 101 75 66 (ES, UC) 157 (WG, EW) 75 66 (ES, UC) 157 (ES, UC) 77 78 78 78 78 78 78 78 78 78 78 78 78	& No. ==== Part Name	RS1/10S682J RS1/10S102J RS1/10S122J RS1/10S152J RD1/4PS151JL RS1/10S473J RS1/10S473J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S682J RS1/10S474J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S492J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S82J RS1/10S881J RS1/10S881J RS1/10S82J RS1/10S82J	Unit MISC Mark ** ** ** ** RESI:	Na ELLA ELLA GO Q Q Q Q Q Q Q Q R R R R R R R R R R R	me NEOU ==== 1 1 2 3 4 5 S ==== 1 5 7 9 11 14 15 16 17 18 20	: N	Circ 3 13	uit 4	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame f	BA3430FS 2SC4116 DTC1437U DTBL137P 2SC3295 2SB1441JU Part No. 2ST1/10S153J 2ST1/10S181J 2ST1/10S183J 2ST1/10S183J 2ST1/10S270J 2ST1/10S233J 2ST1/10S233J 2ST1/10S233J 2ST1/10S233J 2ST1/10S23J 2ST1/10S234J
	3	5 58 210 6 131 7 152 8 10 9 52 53 57 204 213 64 103 65 60 215 66 69 (WG. EW. ES) 69 (UC) 61 62 101 75 92 102 103 104 105 107 108 109 109 109 109 109 109 109 109	& No. ==== Part Name	RS1/10S682J RS1/10S102J RS1/10S123J RS1/10S152J RD1/4PS151JL RS1/10S331J RS1/10S333J RS1/10S153J RS1/10S153J RS1/10S183J RS1/10S183J RS1/10S183J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S32ZJ RS1/10S32ZJ RS1/10S32ZJ	Unit MISC Mark ** ** ** ** RESI:	Na ELLA ELLA GO Q Q Q Q Q Q Q Q R R R R R R R R R R R	me NEOU ==== 1 1 2 3 4 5 S ==== 1 5 7 9 11 14 15 16 17 18 20	: N	Circ 3 13	uit 4	Symbo	ol & Chip Chip Chip Chip Chip Chip Chip Chip	No. Trai Trai Trai	nsisto nsisto nsisto nsisto nsisto	r r r r	ame f	BA3430FS 2SC4116 DTC1437U DTBL137P 2SC3295 2SB1441JU Part No. 2SS1/10S153J 8S1/10S183J 8S1/10S183J 8S1/10S183J 8S1/10S183J 8S1/10S183J 8S1/10S270J 8S1/10S233J 8S1/10S233J

CAPACITORS		CAPACITORS	
Mark ====== Circuit Symbol & No. ==== Part Name	Part No.	Mark ====== Circuit Symbol & No. ==== Part Name	Part No.
C 1 2 3 4 C 5 6 22 \mu F/6.3V C 7 8 14 C 9 C 10 12	CKSQYB391K50 CCH1065	C 901 902 C 903 C 904 905 906 907 908 C 909	CEA470M6R3LS CKSQYB331K50 CKSQYB152K50 CKSQYB223K50 CKSQYB223K50
C 13 100 μ F/6. 3V	CCH 1068 CCH 1067 CCH 1064	• • • • • • • • • • • • • • • • • • • •	CKSQYB103K50 CCSQCH221J50
		Unit Number : Unit Name : Connector P.C.Board	
Display Unit		Mark ====== Circuit Symbol & No. ==== Part Name	
Consists of Display P. C. Board		* D 1 2 ** S 1 2 3 Switch (LOAD, END, F/R)	F1SR35-100A CSN1005
Reset P. C. Board			
		Unit Number : Unit Name : Switch P.C. Board	
Unit Number : Unit Name : Display Unit		Mark ===== Circuit Symbol & No. ==== Part Name	Part No.
MISCELLANEOUS		** S 1 2 Switch (METAL, PLAY)	
Mark ====== Circuit Symbol & No. ==== Part Name		Miccallananus Parts List	
** IC 901	S-80740AH		
** IC 902	BX-1393 LC7582P	Mark ===== Circuit Symbol & No. ==== Part Name	
** IC 903 ** IC 904		** S 1. 2 Switch (CSENSE × 2)	
** Q 901 Chip Transistor		** S 3 Switch (EJECT)	CSG1033 CXP1003
** Q 902 Chip Transistor	2802712		CXP1004
		* SO 3 Solenoid	CXP1009
	LN12C56	++ HD t Head Unit	
L 901 Ferri-Inductor		77 110 1	EXA1088 EXA1089
X 901 Ceramic Resonator	CSS1050	** M 1 Motor Unit	EVW1002
** S 901 902 903 904 905 906 907 908 909 910 Switch ** S 911 912 913 914 915 916 917 918 919 920 Switch			
	CSG-253		
** IL 901 902 903 Lamp 8V 60mA			
** IL 904 (WG, EW) 905 (WG, EW) 906 (WG, EW) Lamp 14V 40mA			
** IL 907 908 909 Lamp 14V 40mA LCD	CEL 1013 CAW1042		
RESISTORS			
Mark ====== Circuit Symbol & No. ==== Part Name	Part No.		
R 901 902 904 905	RD1/4PS103JL		
R 906	RD1/4PS333JL		
R 907 R 908	RS1/10S470J RS1/10S223J		
R 909	RS1/8S473J		
R 910 911	RS1/10S473J		
R 912 (WG, EW) 913 (WG, EW)	RS1/8S471J		
R 914 915 919 920 921	R\$1/8\$471J		
R 916	R\$1/10\$104J		
R 917 918 922 923 924 925 926 927	RS1/10S471J		

RS1/10S103J

R 930

23. PACKING METHOD



• Parts List

Mark	No.	Description	Part No.	Mark No.	Description	Part No.
	1	Carton (WG)	CHG1595	5-4	Card (WG, EW)	
		Carton (EW)	CHG1594		Card (UC)	
		Carton (ES)	CHG1622	5 – 5	Passport (WG)	
		Carton (UC)	CHG1593	6	Styrofoam (R)	CHP1212
				7	Cover	CEG1043
	2	Remote Control Assy	CXA2860			
		(WG, EW)		8	Styrofoam(L)	CHP1211
		Remote Control Assy	CXA2958	9	Accessory Assy (WG, EW)	CEA1426
		(ES. UC)			Accessory Assy (ES, UC)	CEA1460
	2-1	Cover	CZN3224	9 – 1	Spring(×2)	CBH-865
	3	Air Cushioned Bag	CEG1055	9 – 2	Cord (× 1)	CDE 1289
	4-1	Battery	CEX1006	9-3	Bush (× 1)	CNV1009
	4-2	Fastener	CNM1716	9 – 4	Strap (× 1)	CNF-111
		(Rough Surface)		9-5	Handle (× 2)	CNC1631
	4-3	Fastener (Soft Surface)	CNM1717	9-6	Cap (× 2)	CNV2156
				9-7	Screw Assy	
	5-1	Owner's Manual (WG)	CRD1288			
		Owner's Manual (EW)	CRD1286	9-7-1	Screw(×1)	CBA-102
	(En	glish, French, German, Spa	nish)	9-7-2	Screw(×1)	CBA1002
		Owner's Manual (EW)	CRD1287	9-7-3	Screw(×2)	CBA1116
	(Swed	ish, Norwegian, Dutch, Fin	nish)	9-7-4	Nut (× 2)	NF50FMC
				9-7-5	Screw (× 1) (ES, UC)	HMF40P080FUC
		Owner's Manual (ES)	CRD1300			
		Owner's Manual (UC)	CRD1289	10	Panel	CNS1690
	5-2	Caution Card (WG, EW)		11	Contain Box(UC)	CHL1593
		Caution Card(ES, UC)				
	5-3	Caution Card (WG)				